

KANSAS.

GENERAL STATISTICS.

General character of the state.—Kansas has a gross area of 82,158 square miles, of which 81,774 represent land surface. The inhabitants of the state in 1900 numbered 1,470,495; in 1910, 1,690,949; and in 1920, 1,769,257. In total population Kansas ranked twenty-fourth among the states in 1920. The number of inhabitants per square mile in 1910 was 20.7, the corresponding figure for 1920 being 21.6, Kansas ranking thirty-third in this respect among the states.

In 1920 there were 17 cities in the state—Arkansas City, Atchison, Chanute, Coffeyville, El Dorado, Emporia, Fort Scott, Hutchinson, Independence, Kansas City, Lawrence, Leavenworth, Parsons, Pittsburg, Salina, Topeka, and Wichita—having more than 10,000 inhabitants. The combined population of these 17 cities in that year was 417,749, which formed 23.6 per cent of the total for Kansas. In 1919, 72.1 per cent of the value of the state's manufactured products were reported from these cities.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and the value of products, from 1914 to 1919, as presented in Table 1, are in a great measure due to the changes in industrial conditions brought about by the World War. The increases, however, in average number of wage earners and horsepower indicated a decided growth in the manufacturing activities in the state. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for a comparison of county totals for 1919 with those for prior censuses. Wyandotte County, which includes Kansas City, is the most important of the 105 counties in the state, reporting 38.4 per cent of the average number of wage earners in the state, and 51.9 per cent of the value of products.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always conclusive as indicating their importance from a manufacturing standpoint. In many instances their ranking would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by

age. Figures for individual industries will be found in Table 30.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 300 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—During the period 1914–1919, all cities show increases in value of products, due largely to the increased value of commodities at the later census. Kansas City is by far the most important city in the state and shows an increase during this five-year period of 9,744, or 74.4 per cent, in the average number of wage earners, and \$308,986,255, or 193.5 per cent, in value of products. This city in 1919 reported 37.4 per cent of the total average number of wage earners in the state and 51.3 per cent of the value of products.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined and also for the 17 cities in the state having 10,000 or more inhabitants. There were a number of industries in the state in 1919 in which the number of female wage earners predominated.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Kansas. In that year only 17.4 per cent of the wage earners were reported in the group "48 and under" as against 55.7 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 51.6 per cent of the total wage earners, as compared with 13.1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 97.5 per cent were in the several classes having less than 101 wage earners, while such establishments employed but 33.3 per cent of the total number of wage

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earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 2.5 per cent of the total manufacturing establishments in the state, but reported 66.7 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and for the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group with those of some other group of the industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of the extent of manufacturing activities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 22.5 per cent of the number of establishments in the state in 1919, they reported 86.2 per cent of the average number of wage earners and 92.9 per cent of the total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 18,660, or 54.9 per cent, and the value of products \$561,374,244, or 195.1 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the 17 cities in 1919 represented 36.5 per cent of the total in the state. They reported in that year 68.8 per cent of the average number of wage earners and 72.1 per cent of the value of products.

Principal industries in Kansas City, Topeka, and Wichita, with per cent of total for the state (Table 16).—This table includes all industries in these three cities having products of \$500,000 and over for which figures can be shown without disclosing the operations of individual establishments. Of the industries shown in Table 16, the value of the products of the slaughtering and meat-packing industry was the most important in 1919, forming 81.4 per cent of the total for all industries in Kansas City, in which city it was chiefly located.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 54,964 horsepower, or 30.7 per cent. Of this increase, 10,213 horsepower, or 18.6 per cent, was for owned power, and 44,751 horsepower, or 81.4 per cent, was for rented power. During the five-year period, owned power increased 6.7 per cent, and rented power 161.5 per cent.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. The four industries, slaughtering and meat packing, cement, cars and general shop construction and repairs by steam-railroad companies, and salt manufacture, consumed 57.2 per cent of the bituminous coal in 1919. Petroleum refining consumed 49.1 per cent of the fuel oils, and 35.2 per cent of the coke was used in the chemical industry.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	3,474	3,136	3,435	2,475	2,299	10.8	-8.7	38.8	7.7
Persons engaged.....	77,009	52,032	54,049	42,057	(²)	48.0	-4.8	20.9	.....
Proprietors and firm members.....	3,562	3,247	3,571	2,766	(²)	9.7	-9.1	20.1	.....
Salaried employees.....	12,398	7,526	6,863	3,721	3,612	40.7	9.7	84.4	3.0
Wage earners (average number).....	61,049	41,259	44,215	35,570	27,110	48.0	-6.7	24.3	31.2
Primary horsepower.....	234,110	179,146	213,141	99,441	68,242	30.7	-15.9	114.3	45.7
Capital.....	\$357,534,129	\$163,789,752	\$156,090,067	\$88,680,117	\$50,458,256	118.3	4.9	76.0	40.1
Salaries and wages.....	94,855,072	34,982,745	33,255,308	22,575,562	15,925,317	171.1	5.2	47.3	41.8
Salaries.....	21,795,653	9,013,208	7,351,348	3,692,491	3,123,221	141.8	22.6	99.1	18.2
Wages.....	73,060,019	25,969,537	25,903,960	18,883,071	12,802,096	181.3	0.3	37.2	47.5
Paid for contract work.....	506,473	235,400	310,608	186,988	(²)	115.1	-24.2	66.1	.....
Rent and taxes.....	9,928,878	2,036,762	1,555,991	739,816	(²)	337.5	30.0	.....	.....
Cost of materials.....	750,087,987	261,147,000	258,883,706	156,509,949	120,737,677	187.2	0.0	65.4	29.6
Value of products.....	913,667,094	323,234,194	325,104,002	198,244,902	154,008,514	182.7	-0.6	64.0	28.7
Value added by manufacture ⁴	163,579,107	62,086,204	66,220,296	41,735,043	33,270,867	163.5	-0.2	58.7	25.4

¹ A minus sign (-) denotes decrease.² Figures not available.³ Exclusive of internal revenue.⁴ Value of products less cost of materials.

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TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
The state.....	3,474	61,049	\$73,060,019	\$9,928,878	\$750,057,987	\$913,667,094	\$163,579,107	234,110
Allen.....	42	1,321	1,563,747	116,763	5,627,408	9,230,109	3,602,701	12,982
Anderson.....	17	129	97,445	4,520	164,919	373,121	208,202	358
Atchison.....	61	995	1,031,381	168,582	5,807,756	8,784,920	2,887,164	5,675
Barber.....	20	65	78,310	7,289	570,489	728,580	153,391	998
Barton.....	49	537	654,906	115,749	8,177,967	9,747,325	1,569,358	3,077
Bourbon.....	38	645	681,695	129,863	3,546,193	5,019,064	1,472,871	2,322
Brown.....	35	722	975,414	11,185	707,727	1,925,267	1,217,540	606
Butler.....	71	865	1,275,574	208,800	13,174,412	16,834,748	3,660,336	3,571
Chase.....	6	12	15,681	1,570	17,103	49,603	32,500	332
Chautauqua.....	31	39	41,376	4,918	95,247	186,642	91,395	212
Cherokee.....	49	280	351,620	68,994	2,939,679	3,708,450	858,771	1,733
Cheyenne.....	4	10	8,594	1,123	119,533	146,227	26,694	37
Clark.....	8	11	9,350	1,565	20,418	48,319	27,901	220
Clay.....	29	125	115,527	14,222	2,886,703	3,321,700	435,057	1,608
Cloud.....	32	136	128,424	55,522	3,096,173	3,852,762	756,589	1,227
Coffey.....	20	52	45,049	6,013	595,776	759,570	163,794	511
Comanche.....	9	12	9,802	1,419	49,641	82,603	32,962	67
Cowley.....	98	736	818,723	314,545	10,129,159	22,797,152	3,667,093	5,488
Crawford.....	119	1,707	2,010,635	130,077	4,262,014	7,549,421	3,287,407	4,061
Decatur.....	7	14	8,077	1,295	149,672	202,676	53,004	60
Dickinson.....	62	606	923,711	228,308	9,714,891	12,053,468	2,338,577	3,860
Doniphan.....	18	23	19,062	2,999	220,677	206,727	70,030	378
Douglas.....	66	524	830,381	62,391	3,619,178	4,734,614	1,135,436	3,587
Edwards.....	11	18	14,819	2,022	35,045	85,703	50,748	108
Elk.....	23	28	25,805	3,438	128,431	184,234	55,803	271
Ellis.....	15	159	226,628	51,530	2,128,325	2,583,062	455,337	1,349
Ellsworth.....	20	222	280,754	156,308	1,851,500	2,641,752	700,162	2,000
Finney.....	15	137	147,128	10,843	494,753	767,487	272,734	5,473
Ford.....	26	409	654,133	31,648	2,076,410	2,943,206	806,796	875
Franklin.....	30	270	287,113	20,531	1,243,250	3,015,052	872,093	913
Geary.....	24	181	251,527	30,045	1,398,336	1,936,065	542,729	1,768
Gove.....	5	3	1,795	273	3,563	10,623	7,070	16
Graham.....	3	3	1,695	642	1,084	7,251	5,567	7
Gray.....	3	4	1,996	615	4,072	15,304	11,232	14
Greenwood.....	17	15	16,104	2,178	78,844	128,728	49,884	293
Hamilton.....	6	21	30,263	1,422	37,750	83,412	45,602	31
Harper.....	35	125	136,408	53,302	2,988,873	3,455,055	407,052	1,159
Harvey.....	52	1,465	2,159,893	89,945	7,805,235	11,128,337	3,823,102	3,498
Haskell.....	3	2	1,700	643	4,835	13,271	8,436	3
Jackson.....	22	38	35,260	4,399	443,797	539,852	98,055	217
Jefferson.....	18	19	18,125	3,750	102,551	163,859	61,308	136
Jewell.....	17	21	19,878	3,028	81,604	137,535	55,931	162
Johnson.....	49	168	180,332	20,725	1,033,451	1,437,931	404,480	1,123
Kearny.....	4	3	2,000	557	77,015	88,879	11,064	311
Kingman.....	22	57	65,022	68,349	1,720,918	2,014,809	298,891	554
Kiowa.....	10	11	13,053	2,374	91,907	137,764	45,797	117
Lambert.....	52	1,200	1,440,649	46,356	3,564,307	5,574,793	2,020,488	5,225
Leavenworth.....	75	1,307	1,298,097	174,314	9,749,071	13,093,600	3,344,619	4,081
Lincoln.....	17	25	26,103	5,128	307,101	400,260	99,099	513
Linn.....	16	29	24,126	30,264	630,102	769,715	139,013	317
Logan.....	6	14	20,905	1,007	20,704	65,241	38,537	16
Lyon.....	50	131	154,898	21,155	956,510	1,381,484	424,908	1,282
McPherson.....	63	189	205,032	50,692	5,850,880	6,961,830	1,110,950	2,405
Marion.....	32	72	78,752	14,308	1,040,473	1,280,879	240,406	987
Marshall.....	63	291	352,943	38,423	1,014,616	1,790,946	770,330	2,384
Meade.....	9	12	12,606	494	12,778	33,381	20,603	113
Miami.....	25	55	51,482	5,939	207,315	362,654	155,339	464
Mitchell.....	26	62	78,508	14,064	1,521,029	1,758,005	237,036	871
Montgomery.....	137	3,048	4,976,607	800,781	27,845,776	38,119,568	10,273,793	18,444
Morris.....	14	102	70,136	2,970	778,071	926,054	147,983	259
Nemaha.....	34	66	57,507	8,580	102,038	253,555	150,917	430
Neosho.....	40	267	1,212,705	50,826	2,401,826	4,777,355	2,315,529	5,029
Ness.....	7	7	5,489	444	8,187	23,402	15,275	71
Norton.....	16	34	33,422	6,789	513,414	616,907	103,553	312
Osage.....	28	47	31,554	2,698	123,514	208,945	85,431	216
Osborne.....	19	33	32,777	5,861	208,056	313,035	104,979	372
Otto.....	13	25	32,515	5,292	701,731	835,935	134,204	706
Pawnee.....	23	54	55,201	10,651	1,084,738	1,325,473	240,735	880
Phillips.....	15	10	9,562	2,462	95,524	138,472	42,948	258
Pottawatomie.....	20	26	24,394	3,947	294,405	397,091	102,626	203
Pratt.....	27	270	340,721	78,341	1,549,864	2,188,294	638,430	947
Rawlins.....	5	7	9,462	520	62,729	84,605	21,930	61
Reno.....	137	2,032	2,373,633	731,995	18,680,065	26,183,332	7,503,297	12,267
Republic.....	19	33	34,609	3,947	148,410	231,325	82,915	197
Rice.....	43	301	226,981	61,647	3,417,331	4,435,219	1,017,888	3,087
Riley.....	59	162	190,339	21,108	1,143,998	1,554,741	410,743	1,025
Rooks.....	14	24	19,385	3,329	574,923	606,151	91,228	476
Rush.....	10	14	15,071	1,692	480,504	507,109	26,605	236
Russell.....	17	34	30,628	4,680	1,136,622	1,225,118	88,406	293
Saline.....	71	634	770,479	300,448	16,120,085	18,925,484	2,805,390	4,575
Scott.....	4	4	3,338	525	9,675	20,694	11,019	9
Sedgwick.....	268	4,432	4,877,980	1,110,435	61,182,258	76,502,679	15,320,421	10,605
Seward.....	9	35	42,394	5,737	558,008	718,329	158,261	344
Shawnee.....	174	5,632	6,463,264	502,561	31,264,096	45,812,624	14,548,528	14,662
Sheridan.....	3	3	1,600	105	9,740	10,419	6,679	37
Sherman.....	12	264	377,971	3,087	181,318	622,628	441,305	240
Smith.....	21	29	23,015	3,900	248,939	333,267	84,328	414
Stafford.....	22	99	103,381	13,213	2,853,677	3,350,085	496,408	956
Stevens.....	3	6	5,000	563	3,821	14,854	11,033	34
Sumner.....	58	550	800,924	192,686	10,460,224	12,604,628	2,144,404	2,615

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TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establish- ments.	WAGE EARNERS.		Rent and taxes.	Cost of ma- terials.	Value of products.	Value added by manufac- ture.	Primary horse- power.
		Average number.	Wages.					
Thomas.....	7	4	\$3,378	\$1,039	\$0,489	\$32,200	\$22,711	15
Trego.....	6	8	8,878	1,426	18,121	36,408	18,287	44
Wabaunsee.....	11	11	12,416	1,472	24,084	61,881	37,797	100
Wallace.....	3	57	98,130	1,002	31,938	152,026	120,088	151
Washington.....	20	20	17,319	2,395	240,898	323,840	76,942	135
Wilson.....	60	1,356	1,609,000	964,206	9,382,106	15,142,362	5,700,256	0,682
Woodson.....	14	26	23,363	1,977	30,631	78,174	41,543	151
Wyandotte.....	238	23,442	27,904,576	2,385,086	421,576,984	474,207,304	52,690,380	50,757
All other counties ¹	9	8	8,563	1,124	70,465	88,440	20,975	71

¹ All other counties comprise Grant, Greeley, Hodgeman, Lane, Morton, Stanton, and Wichita.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establish- ments.	WAGE EARNERS.		VALUE OF PRODUCTS.	VALUE ADDED BY MANUFAC- TURE.	INDUSTRY.	Number of establish- ments.	WAGE EARNERS.		VALUE OF PRODUCTS.	VALUE ADDED BY MANUFAC- TURE.		
		Average num- ber.	Percent distribution.					Average num- ber.	Percent distribution.				
All industries.....	3,474	61,049	100.0	\$913,667	100.0	163,579	100.0	5	584	1.0	\$1,527	0.9	
Slaughtering and meat packing.....	28	17,805	29.2	427,668	46.8	39,804	24.3	Glass.....	5	584	1.0	\$2,133	0.2
Flour-mill and gristmill products.....	385	3,493	5.7	206,381	22.6	21,548	15.0	Lumber, planing-mill products, not including planing mills con- nected with sawmills.....	55	436	0.7	2,107	0.2
Petroleum, refining.....	29	2,221	3.6	68,786	7.0	12,450	7.6	Paper and wood pulp.....	3	201	0.5	1,779	0.2
Cars and general shop construction and repairs by steam-railroad companies.....	32	11,196	18.3	28,231	3.1	17,796	10.9	Clothing, men's.....	11	487	0.8	1,743	0.2
Butter.....	59	740	1.2	24,444	2.7	3,288	2.0	Saddlery and harness.....	83	181	0.3	1,400	0.2
Foundry and machine-shop prod- ucts.....	151	2,035	4.8	15,023	1.6	8,153	5.0	Furniture.....	20	503	0.8	1,365	0.1
Bread and other bakery products.....	452	1,307	2.1	10,100	1.1	3,042	2.2	Cooperage.....	10	210	0.4	1,319	0.1
Printing and publishing, news- papers and periodicals.....	590	2,414	4.0	9,775	1.1	5,776	3.5	Cars, steam-railroad, not including operations of railroad companies.....	5	393	0.6	1,257	0.1
Cement.....	8	1,084	1.8	6,700	0.7	3,338	2.0	Marble and stone work.....	58	158	0.3	1,161	0.1
Poultry, killing and dressing, not done in slaughtering and meat- packing establishments.....	20	374	0.6	6,657	0.7	855	0.5	Mattresses and spring beds, not elsewhere specified.....	12	196	0.3	1,069	0.1
Salt.....	12	1,072	1.8	6,193	0.7	3,986	2.4	Coffee, roasting and grinding.....	11	58	0.1	1,040	0.1
Smelting and refining, zinc.....	3	717	1.2	6,038	0.7	1,374	0.8	Engines, steam, gas, and water specified.....	5	186	0.3	1,022	0.1
Structural ironwork, not made in steel works or rolling mills.....	8	536	0.9	4,643	0.5	1,221	0.8	Food preparations, not elsewhere specified.....	8	87	0.1	906	0.1
Conffectionery and ice cream.....	115	584	1.0	3,856	0.4	1,493	0.9	Explosives.....	4	66	0.1	955	0.1
Druggists' preparations.....	17	184	0.3	3,695	0.4	932	0.6	Copper, tin, and sheet-iron work.....	47	194	0.3	940	0.1
Ice, manufactured.....	187	822	1.3	8,509	0.4	2,390	1.5	Tobacco, cigars.....	83	230	0.4	771	0.1
Brick and tile, terra-cotta, and fire- clay products.....	29	1,136	1.9	3,407	0.4	2,208	1.4	Agricultural implements.....	14	129	0.2	770	0.1
Automobile repairing.....	325	870	1.4	3,288	0.4	2,013	1.2	Brooms, from broom corn.....	46	149	0.2	720	0.1
Printing and publishing, book and job.....	143	624	1.0	2,926	0.3	1,908	1.2	Mineral and carbonated waters.....	68	127	0.2	718	0.1
Condensed milk.....	6	187	0.3	2,810	0.3	503	0.3	Paving materials.....	25	318	0.5	676	0.1
All among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries the most important are the following: "Boxes, set-up paper boxes and shipping containers"; "boxes, wooden packing, except cigar boxes"; "brass and bronze products"; "chemicals"; "fertilizers"; "lamps"; "paints"; "smelting, lead"; and "soap."													
TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.													
CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.							
All classes.....	1919	77,009	68,137	8,872	88.5	11.5	Clerks and other subordinate salaried employees.....	1919	8,878	6,471	2,407	72.0	27.1
	1914	52,032	47,462	4,570	91.2	8.8		1914	5,894	4,882	1,042	82.3	17.7
	1909	54,049	50,156	4,493	91.3	8.2		1909	4,928	3,070	958	80.0	19.4
Proprietors and officials.....	1919	7,082	6,846	236	96.7	3.3	Wage earners (average number).....	1919	61,040	54,820	6,220	80.8	10.2
	1914	4,879	4,733	146	97.0	3.0		1914	41,260	37,877	3,382	91.8	8.2
	1909	5,606	5,348	158	97.1	2.9		1909	44,215	40,838	3,377	92.4	7.6
Proprietors and firm members.....	1919	3,562	3,405	157	95.6	4.4	16 years of age and over.....	1919	60,912	54,697	6,215	80.8	10.2
	1914	3,247	3,122	125	96.2	3.8		1914	41,083	37,718	3,365	91.8	8.2
	1909	3,571	3,440	131	96.3	3.7		1909	43,080	40,043	3,337	92.4	7.6
Salaried officers of corporations.....	1919	838	808	30	96.4	3.6	Under 16 years of age.....	1919	137	123	14	89.8	10.2
	1914	526	514	12	97.7	2.3		1914	176	159	17	90.3	9.7
	1909	559	544	15	97.3	2.7		1909	235	195	40	83.0	17.0
Superintendents and managers.....	1919	2,682	2,633	49	98.2	1.8							
	1914	1,108	1,097	9	99.2	0.8							
	1909	1,376	1,364	12	99.1	0.9							

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.							
All classes.....	1919	77,009	68,137	8,872	88.5	11.5	Clerks and other subordinate salaried employees.....	1919	8,878	6,471	2,407	72.0	27.1
	1914	52,032	47,462	4,570	91.2	8.8		1914	5,894	4,882	1,042	82.3	17.7
	1909	54,049	50,156	4,493	91.3	8.2		1909	4,928	3,070	958	80.0	19.4
Proprietors and officials.....	1919	7,082	6,846	236	96.7	3.3	Wage earners (average number).....	1919	61,040	54,820	6,220	80.8	10.2
	1914	4,879	4,733	146	97.0	3.0		1914	41,260	37,877	3,382	91.8	8.2
	1909	5,606	5,348	158	97.1	2.9		1909	44,215	40,838	3,377	92.4	7.6
Proprietors and firm members.....	1919	3,562	3,405	157	95.6	4.4	16 years of age and over.....	1919	60,912	54,697	6,215	80.8	10.2
	1914	3,247	3,122	125	96.2	3.8		1914	41,083	37,718	3,365	91.8	8.2
	1909	3,571	3,440	131	96.3	3.7		1909	43,080	40,043	3,337	92.4	7.6
Salaried officers of corporations.....	1919	838	808	30	96.4	3.6	Under 16 years of age.....	1919	137	123	14	89.8	10.2
	1914	526	514	12	97.7	2.3		1914	176	159	17	90.3	9.7
	1909	559	544	15	97.3	2.7		1909	235	195	40	83.0	17.0
Superintendents and managers.....	1919	2,682	2,633	49	98.2	1.8							
	1914	1,108	1,097	9	99.2	0.8							
	1909	1,376	1,364	12	99.1	0.9							

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TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen-sus year.	Wage earners (aver-age num-ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen-sus year.	Wage earners (aver-age num-ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.				16 years of age and over.		Under 16 years of age.
All industries	1919	61,049	89.6	10.2	0.2	Glass	1919	584	99.8	0.2	
	1914	41,259	91.4	8.2	0.4		1914	364	98.6	1.4	
	1909	44,215	91.9	7.5	0.6						
Automobile repairing	1919	870	90.4	0.6	.....	Ice, manufactured	1919	822	98.5	0.6	0.9
	1914	10	100.0	.....			1914	634	99.7	0.3	
Bread and other bakery products	1919	1,307	73.6	25.2	1.2	Lumber, planing-mill products, not includ-ing planing mills connected with sawmills	1919	436	98.9	1.1	
	1914	1,001	82.0	16.9	1.1	Paving materials	1919	318	100.0		
Brick and tile, terra-cotta, and fire-clay products	1919	1,136	99.7	0.3	.....		1914	179	100.0		
	1914	1,216	99.9	.....		Petroleum, refining	1919	2,221	100.0		
Butter	1919	740	74.2	25.8	.....		1914	890	100.0		
Cars and general shop construction and repairs by steam-railroad companies	1919	11,196	99.5	0.5	.....	Poultry, killing and dressing, not done in slaughtering and meat-packing establish-ments. ²	1919	374	54.8	44.4	0.8
Cars, steam-railroad, not including opera-tions of railroad companies. ²	1919	8,865	100.0	(1)		Printing and publishing, book and job	1919	624	66.5	32.7	0.8
Cement	1919	1,084	99.4	0.6	.....		1914	551	72.0	27.6	0.4
	1914	1,002	99.9	0.1		Printing and publishing, newspapers and periodicals	1919	2,414	59.5	37.0	3.5
Clothing, men's	1919	487	8.4	91.6	.....		1914	2,226	70.1	27.1	2.8
	1914	377	6.4	93.6		Salt	1919	1,072	95.0	5.0	
Confectionery and ice cream	1919	584	52.7	47.1	0.2		1914	467	95.5	4.5	
	1914	342	69.0	30.1	0.9	Slaughtering and meat packing	1919	17,805	87.4	12.6	
Flour-mill and gristmill products	1919	3,403	98.4	1.6	.....		1914	9,884	91.9	8.1	0.1
	1914	2,357	99.4	0.6		Smelting and refining, zinc	1919	717	100.0		
Foundry and machine-shop products ²	1919	2,930	99.5	0.3	0.1		1914	811	100.0		
	1914	1,533	99.8	0.2		Structural ironwork, not made in steel works or rolling mills	1919	536	99.8	0.2	
Furniture	1919	503	92.4	7.2	0.4		1914	449	100.0		
	1914	413	99.5	0.5		All other industries	1919	8,394	85.3	14.6	0.2
							1914	6,486	83.9	14.7	1.4

¹ Less than one-tenth of 1 per cent.

² Not shown separately in 1914.

³ Includes "iron and steel, welding."

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.					
	Total.			16 years of age and over.						Under 16 years of age.								
				Male.		Female.												
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909			
Arkansas City	276	634	824	226	588	682	50	93	135	1	3	7	\$8,721,549					
Atchison	862	131	131	732	175	89	129	17	19	3	23		\$2,276,677	\$3,808,620	\$4,404,818			
Chanute	196	497	895	1,100	480	855	46	17	40	19			1,089,575	405,638				
Coffeyville	1,225	497	895	1,225	497	895	1			1			10,654,682	3,788,259	3,881,888			
El Dorado	131												1,438,706					
Emporia	106	422	266	89	320	201	17	101	65	1			1,031,851					
Fort Scott	598	422	266	499	320	201	97	101	65	1			4,251,006	1,580,275	1,010,033			
Hutchinson	1,768	1,006	667	1,506	785	620	170	216	44	5	3		19,433,163	5,609,497	3,613,950			
Independence	109	123	224	143	119	183	25	4	30	1			1,045,617	341,598	699,753			
Kansas City	22,830	13,095	12,294	20,103	12,078	11,268	2,736	953	975	66	51		468,686,423	159,700,168	164,080,607			
Lawrence	494	478	422	308	359	277	122	118	141	4	1		4,631,036	2,909,962	1,653,488			
Leavenworth	1,319	1,233	1,305	1,171	1,128	1,162	145	102	130	3	3		11,330,465	4,776,223	4,650,289			
Parsons	1,145	1,040	1,130	1,052	951	1,074	69	88	56	24	1		4,854,031	2,372,301	1,626,272			
Pittsburg	1,594	1,078	972	1,510	1,048	952	71	29	19	4	1		5,271,125	2,168,880	1,816,886			
Salina	630	420	302	553	302	72	118						17,839,239	3,761,652				
Topeka	5,507	4,828	4,244	4,736	4,325	3,743	847	490	488	14	13		45,707,711	20,634,520	17,820,761			
Wichita	3,045	1,705	1,700	2,515	1,418	1,455	530	287	332				38,580,182	11,668,331	10,267,114			

MANUFACTURES—KANSAS.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	62,187	40,351	41,337	94.1	94.4	88.6	July.....	60,242	42,361	44,075	91.2	99.1	94.4
February.....	58,723	39,748	41,621	88.0	93.0	89.2	August.....	61,956	41,834	44,817	93.8	97.9	96.0
March.....	58,037	39,986	42,554	87.8	93.5	91.2	September.....	62,762	42,288	46,105	95.0	98.9	98.8
April.....	56,503	40,170	42,697	85.5	94.0	91.5	October.....	63,411	42,780	46,879	96.0	100.0	100.0
May.....	58,334	40,681	43,462	88.3	95.2	93.1	November.....	66,069	42,290	46,594	100.0	98.9	99.8
June.....	59,551	41,295	44,411	90.1	96.6	95.1	December.....	64,813	41,354	46,228	98.1	96.7	99.0

¹The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by italic figures.]

INDUSTRY AND CITY.	Aver- age num- ber em- ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.											Per cent mini- mum is of maxi- mum.	
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	
All industries.....	61,049	62,187	58,723	58,037	58,503	58,334	59,551	60,242	61,956	62,762	63,411	66,069	64,813	85.5
Males.....	54,820	54,977	52,154	52,143	51,015	52,654	53,081	54,341	56,088	56,828	57,349	58,831	57,981	87.0
Females.....	6,229	7,210	6,569	5,894	5,490	5,030	5,870	5,901	5,808	5,934	6,002	7,438	6,832	73.8
Automobile repairing.....	870	814	810	852	848	858	875	898	897	926	902	882	872	87.9
Bread and other bakery products.....	1,307	1,211	1,214	1,227	1,260	1,280	1,321	1,330	1,347	1,359	1,386	1,375	1,374	87.4
Brick and tile, terra-cotta, and fire-clay products.....	1,136	890	713	822	1,049	1,120	1,304	1,337	1,409	1,398	1,374	1,368	1,118	44.7
Butter.....	740	595	575	613	736	800	886	837	848	701	712	746	682	65.0
Cars and general shop construction and repairs by steam-railroad companies.....	11,196	11,031	11,231	11,303	10,905	10,833	10,810	10,787	11,041	11,154	11,607	11,737	11,853	91.0
Cars, steam-railroad, not including operations of railroad companies.....	393	441	437	445	381	401	393	360	355	368	388	379	368	79.8
Cement.....	1,084	766	855	907	1,045	1,145	1,048	1,123	1,101	1,097	1,177	1,335	1,119	55.6
Clothing, men's.....	487	525	527	495	441	466	472	486	483	496	484	490	479	83.7
Confectionery and ice cream.....	584	479	500	532	562	606	682	667	652	644	678	577	563	72.9
Flour-mill and gristmill products.....	3,493	3,349	3,074	3,055	3,075	3,189	3,028	3,181	3,871	4,053	4,051	3,999	3,971	75.2
Foundry and machine-shop products.....	2,935	2,672	2,672	2,714	2,711	2,807	2,804	2,900	3,019	3,119	3,223	3,180	3,300	78.8
Furniture.....	503	501	501	483	482	501	505	515	514	500	504	506	510	92.9
Glass.....	584	396	656	699	717	669	794	199	370	812	821	789	896	23.6
Ice, manufactured.....	822	458	487	561	685	875	1,067	1,286	1,308	1,151	841	617	517	35.0
Lumber, planing-mill products, not including planing mills connected with sawmills.....	436	388	389	403	421	441	443	440	430	464	482	474	448	80.5
Paving materials.....	318	212	203	235	320	375	399	368	360	383	399	368	369	40.9
Petroleum, refining.....	2,221	2,273	2,276	2,222	2,190	2,362	2,180	2,220	2,152	2,242	2,002	2,180	2,274	88.6
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	374	293	215	178	277	345	378	355	410	401	532	542	472	32.8
Printing and publishing, book and job.....	624	611	618	622	598	606	607	616	623	628	641	652	668	80.5
Printing and publishing, newspapers and periodicals.....	2,414	2,336	2,304	2,379	2,399	2,408	2,403	2,403	2,398	2,433	2,455	2,477	3,513	03.0
Salt.....	1,072	1,051	1,081	1,070	1,008	1,044	1,048	1,021	1,127	1,123	1,154	1,082	886	85.4
Slaughtering and meat packing.....	17,805	21,617	18,156	17,249	15,856	16,056	17,075	16,988	17,051	16,301	17,007	20,000	19,074	72.4
Smelting and refining, zinc.....	717	723	842	796	722	719	714	698	700	687	688	688	75.7	75.7
Structural ironwork, not made in steel works or rolling mills.....	536	575	552	470	534	499	521	488	465	480	567	616	665	69.9
All other industries.....	8,398	8,240	7,763	7,611	7,421	7,869	8,408	8,758	8,987	9,146	9,137	9,022	8,415	81.1
<i>Industries showing large proportion of females.</i>														
Bread and other bakery products.....	332	307	302	306	315	325	338	344	345	349	358	351	344	84.4
Butter.....	191	143	197	146	194	232	232	223	227	209	193	193	173	54.7
Clothing, men's.....	446	453	494	454	405	427	433	444	440	455	442	440	430	83.7
Confectionery and ice cream.....	275	243	257	267	261	274	280	272	263	290	290	298	295	78.9
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	168	117	65	40	134	181	189	177	189	223	242	248	202	10.8
Printing and publishing, book and job.....	205	205	202	205	193	203	202	205	206	200	200	211	222	86.9
Printing and publishing, newspapers and periodicals.....	895	886	883	880	899	905	896	905	881	893	800	909	904	90.8
Slaughtering and meat packing.....	2,288	3,337	2,819	2,235	1,831	1,831	1,871	1,830	1,727	1,679	1,823	3,106	2,760	50.1
Total for cities.....	41,989	44,052	40,675	39,887	38,296	39,551	41,026	41,511	42,678	42,621	42,979	45,698	44,804	83.8
Males.....	36,838	37,900	35,082	34,954	33,810	34,907	36,246	36,721	37,910	37,827	38,041	39,444	39,205	85.7
Females.....	6,151	5,152	5,593	4,933	4,486	4,644	4,780	4,790	4,794	4,038	4,264	5,050	5,050	71.7
ARKANSAS CITY.....	276	278	261	241	243	263	284	280	284	298	295	298	287	80.9
Males.....	226	244	224	201	207	214	226	219	235	230	234	231	231	82.4
Females.....	50	34	37	40	36	49	58	61	40	59	57	64	60	53.1
ATCHISON.....	862	880	835	811	828	810	808	800	802	951	902	800	871	85.0
Males.....	733	761	719	694	705	697	683	714	767	801	769	755	741	85.3
Females.....	129	119	116	117	123	118	125	146	135	150	133	141	130	75.3
CHANUTE.....	195	169	176	178	179	187	204	215	214	213	210	197	198	78.6
Males.....	177	150	160	161	166	173	184	195	195	191	186	177	180	80.0
Females.....	18	13	16	17	15	14	20	20	19	22	24	20	18	54.2
COFFEYVILLE.....	1,225	1,165	1,185	1,167	1,163	1,207	1,234	1,200	1,270	1,301	1,273	1,227	1,242	89.4
Males.....	1,179	1,123	1,141	1,124	1,118	1,160	1,187	1,217	1,219	1,256	1,224	1,182	1,197	89.0
Females.....	46	42	44	43	45	47	47	49	51	45	40	45	45	82.4
EL DORADO.....	131	103	106	111	114	123	123	145	148	144	144	140	162	63.6
Males.....	130	103	106	111	114	123	123	145	147	143	141	140	150	64.8
Females.....	1	1	1	1	1	1	1	1	1	1	1	3	3	33.8

MANUFACTURES—KANSAS.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Aver-age num-ber em- ployed dur-ing year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent mini- mum is of maxi- mum.
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	Decem- ber.	
EMPORIA.....	106	81	92	94	98	105	118	116	125	117	114	103	109	64.8
Males.....	89	70	75	77	81	89	101	93	106	99	96	85	90	66.0
Females.....	17	11	17	17	17	16	17	17	19	18	18	18	19	57.9
FORT SCOTT.....	506	497	542	533	543	595	620	635	877	637	628	628	617	73.4
Males.....	499	404	449	439	447	494	524	536	580	538	530	530	517	69.7
Females.....	97	93	95	94	96	101	96	99	97	99	98	98	100	92.1
HUTCHINSON.....	1,766	1,682	1,678	1,694	1,726	1,754	1,763	1,816	1,792	1,839	1,920	1,927	1,801	83.9
Males.....	1,506	1,515	1,533	1,539	1,570	1,500	1,593	1,461	1,605	1,645	1,725	1,740	1,628	84.1
Females.....	170	167	145	155	156	164	165	152	187	194	195	187	173	74.4
INDEPENDENCE.....	169	148	150	153	157	165	170	181	197	183	182	171	171	75.1
Males.....	144	165	127	129	132	139	145	156	171	157	156	145	146	73.1
Females.....	25	23	23	24	25	26	25	25	26	26	26	26	25	88.5
KANSAS CITY.....	22,839	26,008	22,811	21,875	19,968	20,667	21,908	22,357	22,842	22,517	22,705	25,605	25,910	76.8
Males.....	20,103	22,181	19,285	19,201	17,811	18,440	19,538	19,989	20,580	20,240	20,318	21,924	21,782	80.3
Females.....	2,736	3,828	3,326	2,674	2,151	2,227	2,373	2,368	2,312	2,277	2,387	3,681	3,228	56.2
LAWRENCE.....	494	535	505	582	415	453	518	543	525	548	543	514	447	69.7
Males.....	372	406	389	279	305	327	385	406	401	425	417	392	332	65.6
Females.....	122	129	116	103	110	126	133	137	124	123	123	122	115	75.2
LEAVENWORTH.....	1,319	1,324	1,302	1,279	1,287	1,320	1,299	1,317	1,344	1,309	1,324	1,353	1,370	93.4
Males.....	1,173	1,188	1,140	1,125	1,159	1,180	1,173	1,179	1,200	1,171	1,178	1,193	1,220	92.2
Females.....	146	166	162	154	128	140	120	138	144	138	146	160	150	75.9
PARSONS.....	1,145	1,178	1,137	1,144	1,168	1,163	1,156	1,125	1,154	1,120	1,136	1,133	1,119	94.9
Males.....	1,076	1,123	1,079	1,076	1,095	1,087	1,080	1,044	1,080	1,057	1,065	1,062	1,084	93.0
Females.....	99	56	58	68	73	76	76	74	74	69	71	71	67.9	
PITTSBURG.....	1,594	1,615	1,582	1,639	1,561	1,553	1,548	1,583	1,586	1,621	1,633	1,627	1,630	93.5
Males.....	1,523	1,547	1,513	1,571	1,489	1,481	1,474	1,483	1,520	1,549	1,561	1,553	1,555	93.1
Females.....	71	68	69	68	72	72	74	70	66	72	72	74	75	88.0
SALINA.....	630	528	538	574	576	607	618	636	702	713	701	690	670	73.8
Males.....	558	460	469	499	513	544	547	567	637	633	621	606	600	72.2
Females.....	72	68	69	75	63	63	71	60	65	80	80	84	79	75.0
TOPEKA.....	5,597	5,290	5,288	5,310	5,511	5,825	5,588	5,580	5,646	5,714	5,896	5,866	5,910	88.5
Males.....	4,745	4,400	4,406	4,517	4,651	4,765	4,753	4,745	4,773	4,853	4,907	4,908	5,022	87.6
Females.....	852	830	702	793	860	860	835	835	873	861	899	893	888	88.1
WICHITA.....	3,046	2,651	2,687	2,702	2,765	2,954	3,067	3,106	3,280	3,390	3,373	3,314	3,271	77.6
Males.....	2,515	2,124	2,177	2,211	2,247	2,404	2,528	2,584	2,763	2,830	2,819	2,752	2,741	75.1
Females.....	530	507	510	491	518	550	539	522	517	560	554	562	530	87.4

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	61,049	1,650	1,060	31,266	2,208	6,023	10,858	5,437	2,547
	1914	41,259	(4)	(3)	7,101	1,315	6,583	13,957	7,847	6,526
	1909	44,215	(3)	(2)	4,218	3,520	6,670	3,148	20,124	
Automobile repairing.....	1919	870			112	3	334	67	327	27
	1914	10	(3)	(3)	1				7	2
Bread and other bakery products.....	1919	1,307	8	1	544	20	247	216	225	48
	1914	1,001	(3)	(2)	151	8	230	41	460	102
Brick and tile, terra-cotta, and fire-clay products.....	1919	1,136	48	25	96		458	43	466	
	1914	1,216	(3)	(4)	78		80	36	1,022	
Butter.....	1919	740			113	5	60	14	265	283
	1914	716	(2)	(4)	24		176	15	150	351
Cars and general shop construction and repairs by steam-railroad companies.....	1919	11,196			3,819			7,374	3	
	1914	8,865	(2)	(2)	2,778	145	70	2,504	487	2,881
Cars, steam-railroad, not including operations of railroad companies ²	1919	393			177	77	130			
	1914									
Cement.....	1919	1,084					42	246	135	661
	1914	1,002							27	976
Clothing, men's.....	1919	487	282		205	196	1	45		
	1914	377	(2)	(2)	135					
Confectionery and ice cream.....	1919	584	6	31	87	44	210	39	42	125
	1914	342	(3)	(2)	11		45	6	172	108
Flour-mill and gristmill products.....	1919	3,493	7	9	1,612	3	116	158	1,118	470
	1914	2,357	(3)	(2)	61	1	34	2	1,377	882

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Not shown separately in 1914.

MANUFACTURES—KANSAS.

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Foundry and machine-shop products ²	1919	2,939	9	44	342	284	1,354	204	702	.....
	1914	1,533	(8)	(8)	65	25	444	141	858	.....
Furniture.....	1919	503	.....	.....	21	176	264	42	.....	.....
	1914	413	(8)	(8)	18	.....	85	.....	310	.....
Glass.....	1919	584	155	.....	76	.....	283	70	.....	.....
	1914	364	(8)	(8)	90	142	97	35	.....	.....
Ice, manufactured.....	1919	822	6	3	176	.....	80	116	161	280
	1914	634	(8)	(8)	9	.....	21	.....	106	498
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	436	.....	.....	71	10	279	7	69	.....
	1914	436	(8)	(8)	18	5	271	.....	187	5
Paving materials.....	1919	318	37	.....	73	12	43	.....	153	.....
	1914	179	(8)	(8)	5	61	.....	.....	34	79
Petroleum, refining.....	1919	2,221	.....	.....	1,200	.....	.....	954	36	31
	1914	890	.....	.....	.....	.....	.....	.....	278	612
Poultry, killing and dressing, not done in slaughtering and meat packing establishments ⁴	1919	374	.....	.....	80	.....	64	.....	224	.....
Printing and publishing, book and job.....	1919	624	1	.....	545	8	69	1	.....	.....
	1914	551	(8)	(8)	431	5	69	16	30	.....
Printing and publishing, newspapers and periodicals.....	1919	2,414	54	68	1,792	100	350	8	29	4
	1914	2,226	(8)	(8)	1,412	142	508	32	130	2
Salt.....	1919	1,072	.....	.....	.....	.....	284	503	285	.....
	1914	467	(8)	(8)	3	.....	.....	328	328	136
Slaughtering and meat packing.....	1919	17,805	.....	.....	17,366	343	22	.....	74	.....
	1914	9,884	(8)	(8)	739	.....	3,384	2	5,759	.....
Smelting and refining, zinc.....	1919	717	.....	.....	304	.....	413	.....	.....	254
	1914	811	.....	.....	.....	272	.....	285	.....	.....
Structural ironwork, not made in steel works or rolling mills.....	1919	536	.....	.....	3	464	69	.....	.....	.....
	1914	440	(8)	(8)	70	.....	45	7	327	.....
All other industries.....	1919	8,394	1,037	879	2,449	1,120	1,136	533	905	835
	1914	6,486	(8)	(8)	1,095	313	1,014	1,096	1,008	460
Total for cities.....	1919	41,989	1,307	954	25,629	1,701	3,573	5,530	2,302	924
	1914	26,740	(8)	(8)	4,589	494	5,240	3,925	9,869	2,014
ARKANSAS CITY.....	1919	276	1	.....	45	5	92	12	118	3
ATCHISON.....	1919	862	31	.....	162	88	398	52	128	3
	1914	684	(8)	(8)	91	70	167	161	86	103
CHANUTE.....	1919	195	3	.....	90	.....	3	.....	85	14
	1914	131	(8)	(8)	46	11	11	.....	41	22
COFFEYVILLE.....	1919	1,225	.....	.....	605	2	231	182	180	25
	1914	497	(8)	(8)	52	.....	21	35	264	125
EL DORADO.....	1919	131	.....	.....	14	.....	21	.....	71	25
EMPORIA.....	1919	106	1	.....	34	.....	28	1	28	14
FORT SCOTT.....	1919	596	78	.....	123	.....	122	237	36	.....
	1914	422	(8)	(8)	148	.....	40	.....	28	206
HUTCHINSON.....	1919	1,766	15	.....	585	2	106	442	237	370
	1914	1,000	(8)	(8)	112	27	19	170	380	292
INDEPENDENCE.....	1919	160	.....	.....	71	6	23	5	60	4
	1914	123	(8)	(8)	30	.....	34	.....	44	15
KANSAS CITY.....	1919	22,839	854	868	18,588	302	522	1,230	281	127
	1914	13,695	(8)	(8)	772	107	3,801	637	6,231	1,407
LAWRENCE.....	1919	494	30	25	122	.....	46	18	231	22
	1914	478	(8)	(8)	123	28	41	16	254	16
LEAVENWORTH.....	1919	1,319	8	3	192	303	637	99	60	17
	1914	1,233	(8)	(8)	120	9	40	205	831	28
PARSONS.....	1919	1,145	37	.....	1,034	.....	26	9	.....	30
	1914	1,040	(8)	(8)	854	.....	47	35	85	19
PITTSBURG.....	1919	1,594	39	2	1,002	.....	244	27	231	49
	1914	1,078	(8)	(8)	628	.....	49	.....	344	57
SALINA.....	1919	630	.....	31	290	16	101	84	108	.....
	1914	420	(8)	(8)	51	58	82	.....	133	96
TOPEKA.....	1919	5,597	79	15	1,493	451	388	2,889	104	118
	1914	4,828	(8)	(8)	1,017	38	545	2,550	540	138
WICHITA.....	1919	3,045	131	10	1,181	526	585	273	254	85
	1914	1,705	(8)	(8)	545	50	352	60	808	90

¹ Includes 48 and under for 1914 and 1909.² Includes "iron and steel, welding."³ Corresponding figures not available.⁴ Not shown separately in 1914.

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TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.	6 to 20 wage earners, inclusive.	21 to 50 wage earners, inclusive.	51 to 100 wage earners, inclusive.	101 to 250 wage earners, inclusive.	251 to 500 wage earners, inclusive.	501 to 1,000 wage earners, inclusive.	Over 1,000 wage earners.								
All industries.....	3,474	61,049	671	1,974	3,950	484	5,160	181	5,880	76	5,342	49	7,096	21	6,922	11	8,059	7	18,640
Automobile repairing.....	325	870	43	254	528	25	230	2	48	1	64	2	270	—	—	—	—	—	—
Bread and other bakery products.....	452	1,307	106	300	623	42	351	2	63	—	—	—	—	—	—	—	—	—	—
Brick and tile, terra-cotta, and fire-clay products.....	29	1,136	1	1	2	6	90	14	530	6	384	1	130	—	—	—	—	—	—
Butter.....	50	740	—	35	73	12	106	8	221	3	239	1	101	—	—	—	—	—	—
Cars and general shop construction and repairs by steam-railroad companies.....	32	11,196	—	2	8	6	64	—	—	5	363	5	883	7	2,517	5	3,623	2	3,738
Cars, steam-railroad, not including operations of railroad companies.....	5	393	—	—	—	—	—	1	21	3	195	1	177	—	—	—	—	—	—
Cement.....	8	1,084	—	—	—	—	—	1	42	1	91	6	951	—	—	—	—	—	—
Clothing, men's.....	11	487	—	2	4	1	13	5	105	1	76	2	229	—	—	—	—	—	—
Confectionery and ice cream.....	115	584	17	80	175	10	84	7	235	1	90	—	—	—	—	—	—	—	—
Flour-mill and gristmill products.....	385	3,493	82	174	315	81	947	36	1,077	8	547	4	607	—	—	—	—	—	—
Foundry and machine-shop products.....	151	2,935	24	60	103	35	371	14	462	11	833	6	845	1	321	—	—	—	—
Furniture.....	20	503	3	6	20	5	38	3	137	1	61	2	247	—	—	—	—	—	—
Glass.....	5	584	—	—	—	—	—	4	301	—	—	—	—	1	283	—	—	—	—
Ice, manufactured.....	137	822	5	94	216	31	349	6	182	1	75	—	—	—	—	—	—	—	—
Lumber, planing-mill products, not including planing mills connected with sawmills.....	55	436	6	29	56	14	140	5	165	1	75	—	—	—	—	—	—	—	—
Paving materials.....	25	318	1	8	25	10	103	6	190	—	—	—	—	—	—	—	—	—	—
Petroleum, refining.....	29	2,221	—	4	15	12	146	5	173	2	136	2	252	3	883	1	636	—	—
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	20	374	1	7	20	8	121	2	51	1	52	1	121	—	—	—	—	—	—
Printing and publishing, book and job.....	143	624	37	79	159	23	251	2	69	2	145	—	—	—	—	—	—	—	—
Printing and publishing, newspapers and periodicals.....	590	2,414	164	305	701	45	460	14	435	—	—	1	111	—	—	1	608	—	—
Salt.....	12	1,072	—	—	—	1	11	2	68	5	314	3	405	1	274	—	—	—	—
Slaughtering and meat packing.....	28	17,805	1	5	18	6	56	5	171	1	76	1	164	2	716	2	1,702	5	14,902
Smelting and refining, zinc.....	3	717	—	—	—	—	—	—	—	—	—	1	137	2	580	—	—	—	—
Structural ironwork, not made in steel works or rolling mills.....	8	536	—	3	13	2	30	2	66	—	—	—	—	1	422	—	—	—	—
All other industries.....	827	8,398	180	406	867	109	1,184	30	1,310	18	1,225	10	1,466	3	946	2	1,400	—	—
Total for cities.....	1,267	41,989	160	623	1,424	269	2,981	110	3,644	43	3,054	31	4,499	9	3,092	6	4,705	7	18,640
ARKANSAS CITY.....	42	276	7	24	47	8	97	2	77	1	66	—	—	—	—	—	—	—	—
ATCHISON.....	52	862	4	24	59	13	153	8	289	2	145	1	216	—	—	—	—	—	—
CHANUTE.....	23	195	1	13	24	7	74	1	81	1	64	—	—	—	—	—	—	—	—
COFFEYVILLE.....	49	1,225	1	24	52	11	130	5	158	5	353	2	247	1	285	—	—	—	—
EL DORADO.....	25	131	—	10	53	5	53	1	25	—	—	—	—	—	—	—	—	—	—
EMPORIA.....	36	106	10	20	38	6	68	3	98	2	131	1	237	—	—	—	—	—	—
FORT SCOTT.....	33	596	3	16	48	8	82	3	98	—	—	—	—	—	—	—	—	—	—
HUTCHINSON.....	96	1,766	9	54	118	18	210	8	232	1	66	4	505	2	635	—	—	—	—
INDEPENDENCE.....	32	160	1	21	66	10	103	—	—	—	—	—	—	—	—	—	—	—	—
KANSAS CITY.....	106	22,830	37	83	173	27	276	17	585	10	758	10	1,542	3	1,242	3	2,288	6	15,975
LAWRENCE.....	49	494	7	25	47	10	101	6	183	—	—	1	158	—	—	—	—	—	—
LEAVENWORTH.....	69	1,310	6	36	109	10	89	10	341	3	221	4	562	—	—	—	—	—	—
PARSONS.....	27	1,145	—	16	35	6	50	3	99	1	58	—	—	—	—	—	—	—	—
PITTSBURG.....	67	1,594	8	37	87	13	122	4	152	2	170	2	241	—	—	1	822	—	—
SALINA.....	64	630	8	31	94	15	173	9	297	1	66	—	—	—	—	—	—	—	—
TOPEKA.....	169	5,597	17	77	184	43	491	21	660	7	479	1	121	1	319	1	698	1	2,665
WICHITA.....	238	3,045	50	103	208	59	650	12	412	7	488	5	670	2	611	—	—	—	—

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	3,474	3,136	3,435	61,049	41,259	44,215	\$913,667,094	\$323,234,194	\$325,104,002	\$163,579,107	\$62,036,204	\$66,220,296
Less than \$5,000.....	1,136	1,484	1,645	640	1,320	1,684	2,890,511	3,624,546	3,957,954	1,798,200	2,273,678	2,386,459
\$5,000 to \$20,000.....	1,200	951	1,002	2,612	3,103	3,425	12,255,255	9,292,496	9,809,793	6,600,446	4,953,789	5,083,622
\$20,000 to \$100,000.....	639	401	401	5,021	5,636	7,411	25,142,681	17,421,473	21,493,918	11,889,467	7,874,522	9,596,074
\$100,000 to \$500,000.....	280	208	{ 10,127	{ 13,993	15,475	{ 5,374	{ 60,111,849	{ 47,662,897	{ 35,547,057	{ 25,056,257	{ 13,474,823	{ 20,326,426
\$500,000 to \$1,000,000.....	72	51	263	37,275	17,204	10,220	752,515,561	36,666,585	204,385,280	104,760,409	26,652,789	26,514,393
\$1,000,000 and over.....	138	41	34									
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	32.7	47.3	47.9	1.0	3.2	3.8	0.3	1.1	1.2	1.1	3.7	3.6
\$5,000 to \$20,000.....	34.5	30.3	29.2	4.3	7.5	7.7	1.3	2.9	3.0	4.0	8.0	7.7
\$20,000 to \$100,000.....	18.4	12.8	11.3	8.2	15.7	16.8	3.1	5.4	6.6	7.3	12.7	14.5
\$100,000 to \$500,000.....	8.3	6.6	{ 7.7	{ 16.6	33.9	35.0	{ 7.2	{ 14.7	{ 26.3	{ 15.3	{ 32.7	{ 34.2
\$500,000 to \$1,000,000.....	2.1	1.6		8.8			{ 5.7	{ 11.4	{ 62.9	{ 8.2		
\$1,000,000 and over.....	4.0	1.3	1.0	61.1	41.7	36.7	82.4	64.5	64.0	42.9	40.0	

MANUFACTURES—KANSAS.

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.				
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.		
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	
AUTOMOBILE REPAIRING	325	6	100.0	100.0	870	10	100.0	100.0	\$3,288,214	\$24,890	100.0	100.0	\$2,012,703	\$16,349	100.0	100.0	
Less than \$5,000	142	3	43.7	50.0	111	6	12.8	60.0	397,048	7,800	12.1	31.7	237,787	5,010	14.3	30.6	
\$5,000 to \$20,000	158	3	48.6	50.0	471	4	54.1	40.0	1,445,573	44.0	17,000	68.3	1,024,607	11,339	50.9	69.4	
\$20,000 to \$100,000	21	—	6.5	—	156	—	17.9	—	683,467	—	20.2	—	402,187	—	20.0	—	
\$100,000 to \$500,000	4	—	1.2	—	132	—	15.2	—	782,126	—	23.8	—	298,212	—	14.8	—	
BREAD AND OTHER BAKERY PRODUCTS	452	472	100.0	100.0	1,307	1,001	100.0	100.0	10,090,615	3,914,365	100.0	100.0	3,641,892	1,603,650	100.0	100.0	
Less than \$5,000	81	263	17.9	55.7	28	168	2.1	16.8	231,711	752,989	2.3	19.2	91,992	367,320	2.5	21.7	
\$5,000 to \$20,000	258	185	57.1	39.2	371	474	28.4	47.4	2,792,500	1,810,319	27.6	46.2	1,066,219	781,595	29.3	40.1	
\$20,000 to \$100,000	104	21	23.0	4.4	494	195	37.8	19.5	4,101,023	770,773	40.6	19.7	1,306,321	293,417	35.9	17.3	
\$100,000 and over	9	3	2.0	0.8	414	164	31.7	16.4	2,978,381	580,284	29.4	14.8	1,177,360	251,288	32.3	14.8	
BRICK AND TILE, TERRACOTTA, AND FIRE-CLAY PRODUCTS	29	29	100.0	100.0	1,136	1,216	100.0	100.0	3,407,019	1,953,307	100.0	100.0	2,208,192	1,318,328	100.0	100.0	
Less than \$5,000	5	—	—	17.2	—	10	—	0.8	—	10,906	—	0.6	—	—	7,023	—	0.6
\$5,000 to \$20,000	3	—	—	10.3	—	28	—	2.3	—	30,031	—	1.5	—	22,398	—	1.7	—
\$20,000 to \$100,000	18	15	44.8	51.7	1,253	531	22.3	43.7	1,553,132	806,603	16.2	41.3	1,383,001	513,938	17.3	41.3	
\$100,000 to \$500,000	16	6	55.2	20.7	883	647	77.7	53.2	2,853,887	1,105,707	83.8	56.6	1,825,191	744,371	82.7	56.5	
BUTTER	59	58	100.0	100.0	740	716	100.0	100.0	24,443,667	9,556,878	100.0	100.0	3,287,715	1,341,146	100.0	100.0	
Less than \$5,000	6	—	—	10.3	—	2	—	0.3	—	16,757	—	0.2	—	—	4,146	—	0.3
\$5,000 to \$20,000	7	17	11.9	29.3	9	28	1.2	3.9	94,005	228,890	0.4	2.4	18,527	62,455	0.6	4.7	
\$20,000 to \$100,000	27	19	45.8	32.8	74	72	10.0	10.1	1,206,230	546,692	5.3	5.7	211,284	128,270	6.4	9.6	
\$100,000 to \$500,000	10	10	16.9	17.2	74	214	10.0	85.8	1,039,045	2,470,740	7.0	25.9	332,736	2,146,275	10.1	85.6	
\$500,000 to \$1,000,000	6	6	10.2	10.3	152	—	20.5	—	4,628,897	6,284,799	18.9	65.8	384,756	—	11.7	—	
\$1,000,000 and over	9	—	15.3	—	431	—	58.2	—	16,484,590	—	67.4	—	2,340,412	—	71.2	—	
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES	32	37	100.0	100.0	11,196	8,865	100.0	100.0	28,230,850	12,889,361	100.0	100.0	17,705,761	6,502,122	100.0	100.0	
\$5,000 to \$20,000	4	6	12.5	16.2	23	72	0.2	0.8	48,836	67,303	0.2	0.5	35,237	49,309	0.2	0.7	
\$20,000 to \$100,000	4	10	12.5	27.0	49	401	0.4	4.5	159,777	411,721	0.6	3.2	113,450	251,808	0.6	4.7	
\$100,000 to \$500,000	9	13	28.1	35.1	1,000	2,892	9.0	94.7	2,324,041	2,954,390	8.2	22.9	1,674,990	3,091,898	0.4	95.4	
\$500,000 to \$1,000,000	6	8	18.8	21.6	1,981	—	17.7	—	4,743,097	8,455,947	16.8	73.4	3,091,898	—	17.4	—	
\$1,000,000 and over	9	—	28.1	—	8,137	—	72.7	—	20,953,899	—	74.2	—	12,880,217	—	72.4	—	
CONFETIONERY AND ICE CREAM	115	73	100.0	100.0	584	342	100.0	100.0	3,886,336	1,251,985	100.0	100.0	1,402,607	520,497	100.0	100.0	
Less than \$5,000	27	24	23.5	32.9	16	16	2.7	4.7	77,729	58,780	2.0	4.7	33,875	33,151	2.3	0.4	
\$5,000 to \$20,000	43	35	41.7	47.9	96	95	16.4	27.8	540,447	363,034	14.1	20.0	230,185	174,258	15.4	33.5	
\$20,000 to \$100,000	32	11	27.8	15.1	168	150	28.8	45.6	1,346,302	481,608	34.6	38.5	446,928	102,341	29.0	37.0	
\$100,000 to \$500,000	8	3	7.0	4.1	304	75	52.1	21.0	1,915,768	348,563	49.3	27.8	731,709	120,747	52.4	23.2	
DRUGGISTS' PREPARATIONS	17	19	100.0	100.0	184	125	100.0	100.0	3,694,847	958,686	100.0	100.0	932,313	432,066	100.0	100.0	
Less than \$5,000	3	—	17.6	—	8	431	4.3	24.8	4,302	63,989	0.1	—	2,401	—	0.3	—	
\$5,000 to \$20,000	5	47	29.4	36.8	63	63	50.4	—	459,850	414,511	1.7	6.2	35,047	205,548	3.0	47.6	
\$20,000 to \$100,000	9	—	47.4	—	176	31	95.7	24.8	3,026,556	484,325	43.2	—	893,965	180,618	95.9	43.2	
\$100,000 and over	9	3	52.0	15.8	—	—	—	—	—	98.1	50.5	—	—	—	—	—	—
FLOUR-MILL AND GRISTMILL PRODUCTS	385	360	100.0	100.0	3,493	2,357	100.0	100.0	206,881,300	72,894,736	100.0	100.0	24,547,822	8,652,504	100.0	100.0	
Less than \$5,000	73	69	19.0	19.2	11	32	0.3	1.4	182,279	182,174	0.1	0.2	32,980	40,275	0.1	0.6	
\$5,000 to \$20,000	74	92	19.2	25.6	33	99	0.9	4.2	773,905	1,020,181	0.4	1.4	118,307	201,254	0.5	2.3	
\$20,000 to \$100,000	87	84	22.6	23.3	194	200	5.6	8.7	4,023,310	8,601,824	1.9	5.0	559,055	580,020	2.3	6.7	
\$100,000 to \$500,000	55	60	14.8	10.2	381	1,260	10.9	53.8	12,815,761	19,170,577	6.2	26.3	1,720,148	4,302,155	7.0	50.8	
\$500,000 to \$1,000,000	27	30	7.0	8.3	343	—	9.8	—	18,664,055	21,943,115	9.0	30.1	1,897,370	7,7	—	—	
\$1,000,000 and over	69	16	17.9	4.4	2,631	751	72.5	31.9	170,421,990	26,916,806	82.4	36.9	20,212,966	3,428,061	82.3	30.6	
FOUNDRY AND MACHINE-SHOP PRODUCTS	154	100	100.0	100.0	2,930	1,533	100.0	100.0	15,049,782	4,350,679	100.0	100.0	8,167,317	2,150,740	100.0	100.0	
Less than \$5,000	50	34	32.5	34.0	22	30	0.7	2.0	134,583	92,908	0.9	2.1	97,044	68,186	1.2	3.2	
\$5,000 to \$20,000	37	31	24.0	31.0	94	138	3.2	9.0	353,871	299,621	2.4	6.9	235,534	194,403	2.9	9.0	
\$20,000 to \$100,000	29	23	18.8	23.0	343	497	11.7	32.4	1,452,883	1,109,900	9.7	26.0	818,230	610,402	10.0	28.3	
\$100,000 to \$500,000	32	12	20.8	12.0	1,536	898	52.3	56.6	6,238,676	5,274,241	41.5	64.1	3,596,203	5,1,280,689	44.0	59.6	
\$500,000 and over	6	—	3.9	—	944	—	32.1	—	—	—	45.6	—	3,420,306	—	41.9	—	
ICE, MANUFACTURED	187	101	100.0	100.0	822	634	100.0	100.0	3,509,107	1,704,797	100.0	100.0	2,300,070	1,287,357	100.0	100.0	
Less than \$5,000	36	20	26.3	19.8	31	29	3.8	4.6	104,174	66,055	3.0	3.7	69,561	47,100	2.0	3.7	
\$5,000 to \$20,000	51	53	37.2	52.5	131	190	15.9	30.0	566,751	544,483	16.2	30.3	368,398	380,184	15.4	29.5	
\$20,000 to \$100,000	47	28	34.3	27.7	521	415	63.4	65.5	2,249,765	1,183,359	64.1	65.9	1,476,727	860,013	61.0	66.8	
\$100,000 to \$500,000	3	—	2.2	—	139	—	10.9	—	388,417	16.8	—	—	472,393	—	19.8	—	
PETROLEUM, REFINING	29	13	100.0	100.0	2,221	890	100.0	100.0	63,785,520	8,922,718	100.0	100.0	12,449,751	1,737,757	100.0	100.0	
\$100,000 to \$500,000	78	59	27.6	69.2	775	136	3.4	15.3	72,143,150	6,302,170	3.4	34.4	7,165,872	6,017,157	1.3	35.5	
\$500,000 to \$1,000,000	7	—	24.1	—	158	—	7.1	—	4,520,257	—	7.1	—	56				

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TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Con.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS,				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.	
	1910	1914	1910	1914	1910	1914	1910	1914	1910	1914	1910	1914	1910	1914	1910	1914
SALT.....	12	9	100.0	100.0	1,072	467	100.0	100.0	6,192,693	1,334,260	100.0	100.0	3,986,174	673,395	100.0	100.0
Less than \$100,000.....	6	6	66.7	66.7	1495	160	34.3	34.3	341,505	25.6	216,566	32.2	216,566	245,829	35.8	67.8
\$100,000 to \$500,000.....	19	23	75.0	33.3	2,307	46.2	65.7	12,073,235	992,764	33.5	74.4	1,425,259	2,456,829	64.2	.....
\$500,000 and over.....	3	3	25.0	.....	577	53.8	.....	4,119,468	.....	66.5	.....	2,560,915	.....	.....	.....	.....
SLAUGHTERING AND MEAT PACKING.....	28	26	100.0	100.0	17,805	9,884	100.0	100.0	427,663,145	151,647,123	100.0	100.0	39,804,434	15,695,58	100.0	100.0
Less than \$100,000.....	5	8	17.0	30.8	14	35	0.1	0.4	296,885	343,908	0.1	0.2	33,635	67,812	0.1	0.4
\$100,000 to \$500,000.....	8	9	28.6	34.6	84	216	0.5	2.2	1,931,643	2,614,053	0.5	1.7	220,980	2,480,609	0.6	3.1
\$500,000 to \$1,000,000.....	3	3	10.7	.....	100	0.6	.....	2,070,157	.....	0.5	.....	236,997	.....	0.6	.....
\$1,000,000 and over.....	12	9	42.9	34.6	17,607	9,633	98.9	97.5	423,358,460	148,659,162	98.0	98.0	39,312,822	13,141,159	98.8	98.5
STRUCTURAL IRONWORK, NOT MADE IN STEEL WORKS OR ROLLING MILLS.....	8	9	100.0	100.0	536	449	100.0	100.0	4,643,478	2,518,777	100.0	100.0	1,220,900	518,403	100.0	100.0
Less than \$100,000.....	3	4	37.5	44.4	13	34	2.4	7.6	138,268	65,315	3.0	2.6	30,621	34,072	2.5	6.6
\$100,000 and over.....	5	5	62.5	55.6	523	415	97.6	92.4	4,505,210	2,453,462	97.0	97.4	1,100,279	484,331	97.5	98.4

¹ Includes the group "\$20,000 to \$100,000."

² Includes the group "\$500,000 to \$1,000,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establish- ments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFAC- TURE.		CITY AND VALUE OF PRODUCT.	Number of establish- ments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFAC- TURE.	
		Aver- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Aver- age num- ber.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ARKANSAS CITY.....	42	276	100.0	\$8,721,549	100.0	\$1,423,672	100.0	KANSAS CITY.....	196	22,839	100.0	\$468,686,423	100.0	\$51,167,968	100.0
Less than \$5,000.....	16	8	2.0	48,350	0.6	25,387	2.0	Less than \$5,000.....	30	12	0.1	100,136	(*)	61,322	0.1
\$5,000 to \$20,000.....	11	22	8.0	128,455	1.5	55,193	3.9	\$5,000 to \$20,000.....	64	100	0.4	659,497	0.1	320,706	0.6
\$20,000 to \$100,000.....	10	95	34.4	421,264	4.8	247,265	17.4	\$20,000 to \$100,000.....	39	372	1.0	1,774,042	0.4	484,155	0.9
\$100,000 and over.....	5	151	54.7	8,123,480	93.1	1,002,827	76.8	\$100,000 to \$500,000.....	20	1,229	5.4	7,131,050	1.5	2,859,472	5.6
ATCHISON.....	52	862	100.0	8,276,677	100.0	2,527,071	100.0	\$500,000 to \$1,000,000.....	6	731	3.2	4,408,317	0.9	1,610,374	3.1
Less than \$20,000.....	21	40	4.6	194,754	2.4	100,200	4.0	\$1,000,000 and over.....	22	20,385	89.3	454,615,481	97.0	45,831,939	39.9
\$20,000 to \$100,000.....	17	102	18.8	780,284	9.4	398,717	15.8	LAWRENCE.....	49	494	100.0	4,631,036	100.0	1,070,772	100.0
\$100,000 to \$500,000.....	11	344	30.9	2,962,861	35.7	937,637	32.4	Less than \$5,000.....	12	6	1.2	37,100	0.8	23,068	2.1
\$500,000 and over.....	3	310	30.7	4,348,778	52.5	1,091,327	43.2	\$5,000 to \$20,000.....	17	58	11.7	161,710	3.5	108,984	10.8
CHANUTE.....	23	105	100.0	1,089,575	100.0	504,768	100.0	\$20,000 and over.....	20	430	87.0	4,432,226	95.7	947,722	87.1
Less than \$5,000.....	4	3	1.5	8,811	0.8	4,964	1.0	LEAVENWORTH.....	69	1,319	100.0	11,330,465	100.0	3,154,011	100.0
\$5,000 to \$20,000.....	9	20	13.3	109,970	10.1	54,663	10.8	Less than \$5,000.....	6	2	0.2	12,455	0.1	6,726	0.2
\$20,000 to \$100,000.....	7	52	26.7	305,794	36.3	183,334	32.4	\$5,000 to \$20,000.....	29	84	6.4	352,082	3.1	183,335	6.0
\$100,000 to \$500,000.....	3	114	58.5	575,000	52.8	281,307	55.8	\$20,000 to \$100,000.....	17	150	11.4	730,763	6.4	356,188	11.3
COFFEYVILLE.....	40	1,225	100.0	16,654,602	100.0	4,304,089	100.0	\$100,000 to \$500,000.....	13	784	59.4	2,901,305	25.6	1,277,906	40.5
Less than \$5,000.....	6	3	0.2	22,943	0.1	10,460	0.2	\$500,000 and over.....	4	299	22.7	7,333,890	64.7	1,325,765	42.0
\$5,000 to \$20,000.....	13	31	2.5	154,650	0.9	81,917	1.9	PARSONS.....	27	1,145	100.0	4,854,031	100.0	1,735,832	100.0
\$20,000 to \$100,000.....	17	167	13.0	818,409	4.0	412,203	9.6	Less than \$20,000.....	14	32	2.8	121,367	2.5	68,144	3.9
\$100,000 to \$500,000.....	10	491	40.1	2,900,732	17.5	1,177,820	27.4	\$20,000 to \$100,000.....	8	74	6.5	430,192	8.9	170,379	9.8
\$1,000,000 and over.....	3	533	43.5	12,751,928	76.6	2,621,089	60.9	\$100,000 and over.....	5	1,039	90.7	4,302,472	88.6	1,497,309	86.3
EL DORADO.....	25	131	100.0	1,488,706	100.0	506,028	100.0	PITTSBURG.....	67	1,594	100.0	5,271,125	100.0	2,757,048	100.0
Less than \$5,000.....	3	2	1.5	5,970	0.4	4,792	0.9	Less than \$5,000.....	18	9	0.6	41,992	0.8	23,006	1.0
\$5,000 to \$20,000.....	9	32	24.4	118,701	8.3	75,496	14.9	\$5,000 to \$20,000.....	23	61	3.8	240,440	4.6	135,034	4.9
\$20,000 to \$100,000.....	9	65	49.6	361,264	25.1	182,343	36.0	\$20,000 to \$100,000.....	15	187	11.7	706,152	15.1	370,418	18.4
\$100,000 to \$500,000.....	4	32	24.4	952,771	66.2	243,422	48.1	\$100,000 and over.....	11	1,337	88.9	4,192,541	79.5	2,223,590	80.7
EMPIORIA.....	36	106	100.0	1,031,851	100.0	364,573	100.0	SALINA.....	64	630	100.0	17,938,239	100.0	2,649,072	100.0
Less than \$5,000.....	15	9	8.5	33,882	3.3	19,002	5.4	Less than \$5,000.....	10	8	1.3	17,851	0.1	13,143	0.5
\$5,000 to \$20,000.....	12	20	18.9	136,082	13.3	72,607	19.9	\$5,000 to \$20,000.....	19	57	9.0	238,115	1.3	140,038	5.3
\$20,000 to \$100,000.....	9	77	72.6	861,007	33.4	272,864	74.7	\$20,000 to \$100,000.....	23	222	35.2	1,172,517	6.5	582,907	21.2
\$100,000 and over.....	4	32	24.4	1,031,851	66.2	243,422	48.1	\$100,000 to \$500,000.....	7	172	27.3	1,822,408	10.2	451,587	17.0
FORT SCOTT.....	33	596	100.0	4,251,006	100.0	1,288,195	100.0	\$1,000,000 and over.....	5	171	27.1	1,687,348	81.9	1,481,397	55.9
HUTCHINSON.....	96	1,766	100.0	10,433,103	100.0	6,416,306	100.0	TOPEKA.....	169	5,597	100.0	45,707,711	100.0	14,474,647	100.0
Less than \$5,000.....	16	7	0.4	41,463	0.2	22,268	0.3	Less than \$5,000.....	32	28	0.5	95,448	0.2	67,008	0.5
\$5,000 to \$20,000.....	37	89	5.0	383,444	2.0	210,017	3.3	\$5,000 to \$20,000.....	49	124	2.2	488,724	1.1	277,519	1.9
\$20,000 to \$100,000.....	21	136	7.7	973,218	5.0	348,576	5.4	\$20,000 to \$100,000.....	49	409	8.4	1,948,474	4.3	1,161,219	8.0
\$100,000 to \$500,000.....	12	383	21.7	2,481,200	12.5	1,030,248	16.1	\$100,000 to \$500,000.....	26	791	14.1	5,777,083	12.6	2,329,352	16.1
\$500,000 to \$1,000,000.....	3	311	17.6	2,244,943	11.6	1,080,041	16.5	\$500,000 to \$1,000,000.....	3	88	1.6	2,010,223	4.4	401,011	2.8
\$1,000,000 and over.....	7	840	47.6	13,355,895	68.7	3,745,216	73.2	\$1,000,000 and over.....	10	4,097	78.2	35,387,770	77.4	10,238,540	70.7
INDEPENDENCE.....	32	169	100.0	1,045,617	100.0	499,254	100.0	WICHITA.....	238	3,045	100.0	38,580,182	100.0	11,234,212	100.0
Less than \$20,000.....	15	41	24.3	168,988	16.2	98,783									

MANUFACTURES—KANSAS.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Cen-sus-year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.								
					In establishments owned by—			Per cent of total.						Of establishments owned by—					
		Individu-als.	Corpo-rations.	All oth-ers.	Total.	Individu-als.	Corpo-rations.	All oth-ers.	Individu-als.	Corpo-rations.	All oth-ers.	Total.	Individu-als.	Corpo-rations.	All oth-ers.	Individu-als.	Corpo-rations.	All oth-ers.	
All industries.....	1919	1,939	781	754	61,049	5,163	52,651	3,235	8.5	86.2	5.3	\$813,667,094	20,292,754	\$849,071,270	\$35,303,070	3.2	92.9	3.0	
	1914	1,907	639	590	41,259	4,835	33,901	2,433	11.7	82.4	5.9	323,234,194	18,455,306	287,697,020	17,081,802	5.7	89.0	5.3	
	1909	2,006	723	706	44,215	5,755	35,938	2,322	13.0	81.3	5.7	325,104,002	22,604,827	285,037,061	10,772,114	7.0	87.9	5.2	
Automobile repairing.....	1919	211	15	99	870	429	161	280	49.3	18.5	32.2	3,288,214	1,403,262	781,832	1,043,120	44.5	23.8	31.7	
	1914	4	—	2	10	110	—	—	100.0	—	—	24,890	1,24,890	—	—	100.0	—	—	
Bread and other bakery products.....	1919	380	11	81	1,307	670	387	250	51.3	29.6	19.1	10,090,615	5,240,718	2,605,985	2,246,912	51.9	25.8	22.2	
	1914	402	6	64	1,001	674	179	148	67.3	17.9	14.8	3,914,365	2,634,605	652,000	627,004	67.3	16.7	16.0	
Brick and tile, terra-cotta, and fire-clay products.....	1919	4	23	2	1,136	1,206	930	—	18.1	81.9	—	3,407,010	1,552,696	2,854,323	—	16.2	33.8	—	
	1914	5	21	3	1,216	1,175	1,041	—	14.4	85.6	—	1,953,307	1,227,377	1,725,930	—	11.6	88.4	—	
Butter.....	1919	17	27	15	740	34	639	67	4.6	86.3	9.1	24,443,667	644,057	21,137,547	2,602,063	2.6	86.5	10.0	
	1914	19	23	16	716	33	624	59	4.6	87.2	8.2	9,558,378	263,395	8,236,252	1,058,231	2.8	86.2	11.1	
Cars and general shop construction and repairs by steam-railroad companies.....	1919	32	—	—	11,196	—	11,196	—	—	100.0	—	28,230,850	—	—	—	100.0	—	—	
	1914	37	—	—	8,865	—	8,865	—	—	100.0	—	12,889,361	—	—	—	100.0	—	—	
Cement.....	1919	—	—	—	1,084	—	1,084	—	—	100.0	—	9,699,799	—	—	—	100.0	—	—	
	1914	1	8	—	1,002	—	1,002	—	—	100.0	—	3,165,900	—	—	—	100.0	—	—	
Confectionery and ice cream.....	1919	61	18	36	584	119	285	180	20.4	48.8	30.8	3,886,336	874,835	1,019,014	1,002,287	22.5	49.4	28.1	
	1914	52	9	12	342	113	141	88	33.0	41.2	25.7	1,251,985	416,483	484,500	350,908	33.3	38.7	28.0	
Druggists' preparations.....	1919	4	11	2	184	5	179	—	2.7	97.3	—	3,694,847	139,802	3,655,045	—	1.1	98.9	—	
	1914	2	15	2	125	112	113	—	0.6	90.4	—	958,680	111,000	847,680	—	11.6	88.4	—	
Flour-mill and gristmill products.....	1919	110	167	108	3,493	176	2,962	355	5.0	84.8	10.2	206,881,300	3,994,058	187,284,398	15,302,844	1.9	90.5	7.5	
	1914	142	119	99	2,357	260	1,767	330	11.0	75.0	14.0	72,894,736	5,211,923	58,502,532	0,120,281	7.1	80.3	12.5	
Foundry and machine-shop products. ³	1919	69	50	35	2,939	215	2,427	297	7.3	82.6	10.1	15,049,782	852,443	12,432,927	1,704,412	5.7	82.6	11.7	
	1914	45	33	22	1,533	256	1,189	88	16.7	77.6	5.7	4,356,679	565,420	3,537,050	254,209	18.0	81.2	5.8	
Ice, manufactured.....	1919	39	64	34	822	74	656	92	9.0	79.8	11.2	3,509,107	309,870	2,821,105	378,132	8.8	80.4	10.8	
	1914	19	66	16	634	52	519	63	8.2	81.9	9.9	1,794,797	159,430	1,507,100	128,267	8.9	84.0	7.1	
Petroleum, refining.....	1919	—	—	28	1	2,221	—	1,221	—	—	100.0	—	63,785,520	—	—	100.0	—	—	
	1914	—	—	12	1	800	—	1,890	—	—	100.0	—	8,922,718	—	—	100.0	—	—	
Printing and publishing, newspapers and periodicals.....	1919	440	48	102	2,414	1,648	517	249	68.3	21.4	10.3	9,774,647	6,643,637	2,120,134	1,010,876	68.0	21.7	10.3	
	1914	478	52	103	2,226	1,497	476	253	67.2	21.4	11.4	5,479,833	1,271,810	560,176	66.5	23.2	10.3		
Salt.....	1919	1	11	—	1,072	—	1,072	—	—	100.0	—	6,192,693	—	—	100.0	—	—		
	1914	1	8	—	497	—	467	—	—	100.0	—	1,334,269	—	—	100.0	—	—		
Slaughtering and meat packing.....	1919	5	17	6	17,805	39	17,729	37	0.2	99.6	0.2	427,603,145	688,604	425,083,369	1,291,112	0.2	99.5	0.3	
	1914	6	15	5	9,884	28	9,808	48	0.3	99.2	0.5	151,647,123	331,031	150,606,933	709,159	0.2	99.3	0.5	
Structural ironwork, not made in steel works or rolling mills.....	1919	1	5	2	536	—	507	29	—	94.6	5.4	4,643,478	—	4,476,321	1,167,157	—	96.4	3.6	
	1914	2	6	1	449	—	422	27	—	94.0	6.0	2,518,777	—	2,404,332	1,54,445	—	97.8	2.2	
Total for cities.....	1919	586	387	294	41,989	2,901	37,804	1,724	7.1	88.8	4.1	658,943,018	16,101,163	242,232,018	18,609,837	2.4	94.7	2.8	
	1914	544	305	206	20,740	2,577	22,836	1,327	9.6	85.4	5.0	223,755,022	8,184,211	207,562,698	8,000,013	3.7	92.8	3.6	
ARKANSAS CITY.....	1910	21	10	11	276	58	205	13	21.0	74.3	4.7	8,721,549	322,870	8,306,548	92,131	3.7	95.2	1.1	
	1919	21	22	9	802	98	719	50	10.8	83.4	5.8	8,276,677	376,782	6,081,764	1,818,141	4.6	73.5	22.0	
	1914	32	18	10	684	112	515	57	16.4	75.3	8.3	8,398,620	270,813	2,705,600	913,138	7.2	60.4	23.4	
CHANUTE.....	1910	9	5	9	195	19	119	57	9.7	61.0	29.2	1,080,575	73,474	448,960	567,132	0.7	41.2	52.1	
	1914	16	5	8	131	26	80	25	10.8	61.1	19.1	495,038	88,064	305,224	102,350	17.8	61.6	20.7	
COFFEYVILLE.....	1919	19	18	12	1,225	68	1,085	72	5.6	88.6	5.9	16,654,662	304,181	15,059,334	301,147	2.4	96.8	1.8	
	1914	21	13	11	497	55	410	32	11.1	82.5	6.4	8,783,259	167,001	3,401,410	159,842	4.4	91.4	4.2	
EL DORADO.....	1919	9	7	9	131	25	67	39	19.1	51.1	29.8	1,438,706	124,864	1,023,001	290,181	8.7	71.2	20.2	
	1919	26	6	4	106	67	29	10	63.2	27.4	9.4	1,031,851	764,156	150,678	117,017	74.1	14.6	11.3	
FORT SCOTT.....	1919	10	13	10	596	39	488	69	6.5	81.9	11.6	4,251,006	4,251,006	201,768	3,853,877	105,381	4.7	90.7	4.6
	1914	12	12	9	449	422	334	45	10.2	79.1	10.7	1,580,275	235,402	1,217,908	126,970	14.0	77.1	8.0	
HUTCHINSON.....	1919	43	33	20	1,766	120	1,548	98	6.8	87.7	5.5	10,433,163	734,091	17,811,378	887,094	3.8	91.7	4.6	
	1914	32	24	15	1,006	93	835	78	9.2	83.0	7.8	5,609,497	313,498	4,878,469	417,530	5.6	87.0	7.4	
INDEPENDENCE.....	1919	16	6	10	169	62	68	39	36.7	40.2	23.1	1,045,617	303,823	364,002	343,592	32.3	34.8	32.0	
	1914	12	7	4	123	39	79	5	31.7	64.2	4.1	341,596	104,656	214,420	22,514	30.6	62.8	0.6	
KANSAS CITY.....	1919	93	66	37	22,830	288	22,871	182	1.3	97.9	0.8	408,686,423	2,349,854	403,857,167	2,470,402	0.5	99.0	0.5	
	1914	103	66	32	13,095	368	12,549	178	2.8	95.3	1.4	150,700,168	1,582,858	167,466,350	60,051	1.0	98.0	0.4	
LAWRENCE.....	1919	24	11	14	494	91	151	252	18.4	30.6	51.0	4,631,036	423,448	448,161	3,750,427	0.1	9.7	81.2	
	1914	26	6	9	478	143	88	247	29.9	18.4	51.7	2,900,963	303,046	197,064	2,400,222	10.4	6.8	82.8	
LEAVENWORTH.....	1919	33	21	15	1,319	170	1,014	135	12.9	76.9	10.2	11,330,465	756,775	9,851,353	722,337	6.7	86.0	6.4	
	1914	39	21	13	1,233	216	119	17.5	72.8	9.7	4,776,223	493,574	4,666						

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TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Cen-	Aggrega-	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		
Number of places.....	1919		17		14		2		1			
	1914		14		11		3					
	1909		12		9		3					
Population ¹	1920	1,769,257	417,749	23.6	104,333	11.0	122,239	6.9	101,177	5.7	1,351,508	76.4
	1915	1,754,897	368,628	20.7	102,283	9.1	206,345	11.6			1,416,269	70.3
	1910	1,690,949	303,843	18.0	125,378	7.4	178,465	10.6			1,387,106	82.0
Number of establishments.....	1919	3,474	1,267	36.5	664	19.1	407	11.7	196	5.6	2,207	63.5
	1914	3,136	1,055	33.6	494	15.8	561	17.9			2,081	66.4
	1909	3,435	1,038	30.2	448	13.0	590	17.2			2,397	60.8
Average number of wage earners.....	1919	61,049	41,989	68.8	10,508	17.2	8,642	14.2	22,839	37.4	19,060	31.2
	1914	41,359	26,740	64.8	7,112	17.2	19,623	47.6			14,519	35.2
	1909	44,215	25,033	56.6	6,705	15.2	18,328	41.4			19,182	43.4
Value of products.....	1919	\$913,667,094	\$658,943,018	72.1	\$105,968,702	11.6	\$84,287,893	9.2	\$468,686,423	51.3	\$254,724,076	27.9
	1914	323,234,194	223,755,922	69.2	31,702,903	9.8	192,053,019	59.4			99,478,272	30.8
	1909	325,104,002	215,484,804	66.3	23,316,322	7.2	192,168,482	50.1			109,610,198	33.7
Value added by manufacture.....	1919	163,579,107	64.8	29,191,546	17.8	25,703,859	15.7	51,167,968	31.3	57,510,734	35.2	
	1914	62,086,204	39,183,104	63.1	9,406,550	15.2	29,776,554	48.0			22,903,100	36.9
	1909	66,220,296	36,942,479	55.8	8,184,585	12.4	28,757,894	43.4			29,277,817	44.2

¹ Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND INDUSTRY.	VALUE OF PRODUCTS.				
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.		
			Amount.	Per cent.				Amount.	Per cent.	
KANSAS CITY.										
Slaughtering and meat packing.....	\$381,694,618	80.3	\$247,868,280	185.2						
Flour-mill and gristmill products.....	29,092,423	14.1	25,539,522	423.9						
Foundry and machine-shop products.....	3,338,968	22.2	180,489	5.7						
Druggists' preparations.....	2,508,038	67.9	(1)	(1)						
Butter.....	1,447,278	5.9	1,394,804	2,602.8						
Copperage.....	1,099,227	83.3	684,418	105.0						
Bread and other bakery products.....	772,906	7.7	379,180	96.3						
Ice, manufactured.....	585,021	16.7	326,055	126.4						
Boxes, paper, shipping containers.....										
Boxes, wooden packing, except cigar boxes.....										
Cars and general shop construction and repairs by steam-railroad companies.....										
Fertilizers.....										
Petroleum, refining.....										
Soap.....										
Structural ironwork, not made in steel works or rolling mills.....										
TOPEKA—Continued.										
Printing and publishing, book and job.....										
Bread and other bakery products.....										
Brass and bronze products.....										
Cars and general shop construction and repairs by steam-railroad companies.....										
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....										
Slaughtering and meat packing.....										
WICHITA.										
Flour-mill and gristmill products.....										
Bread and other bakery products.....										
Printing and publishing, newspapers and periodicals.....										
Printing and publishing, book and job.....										
Foundry and machine-shop products.....										
Confectionery and ice cream.....										
Butter.....										
Cars and general shop construction and repairs by steam-railroad companies.....										
Druggists' preparations.....										
Lamps.....										
Rubber tires, tubes, and rubber goods, not elsewhere specified.....										

¹ Figures can not be shown without disclosing individual operations.

MANUFACTURES—KANSAS.

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	8,940	5,246	4,036	234,110	179,146	213,141	100.0	100.0	100.0
Owned.....	1,952	2,025	2,433	161,657	151,444	200,579	69.0	81.5	94.1
Steam ¹	1,078	997	1,244	129,589	123,075	170,293	55.4	68.7	79.9
Engines.....	1,018	(2)	(2)	112,591	(2)	(2)	48.1	-----	-----
Turbines.....	60	(2)	(2)	16,998	(2)	(2)	7.3	-----	-----
Internal-combustion engines.....	798	956	1,050	25,731	22,041	22,580	11.0	12.3	10.6
Water.....	76	72	109	6,337	6,328	7,706	2.7	3.5	3.6
Water wheels and turbines.....	63	66	89	5,087	6,313	7,484	2.6	3.5	3.5
Water motors.....	13	6	20	350	15	222	0.1	(2)	0.1
Rented.....	6,988	3,221	1,603	72,453	27,702	12,562	30.9	15.5	5.9
Electric.....	6,988	3,221	1,603	72,288	20,802	11,800	30.9	15.0	5.5
Other.....				165	900	753	0.1	0.5	0.4
Electric.....	9,532	5,396	3,354	120,568	64,482	40,921	100.0	100.0	100.0
Rented.....	6,988	3,221	1,603	72,288	26,802	11,800	60.0	41.6	25.2
Generated by establishments reporting.....	2,544	2,175	1,781	48,280	37,680	35,112	40.0	58.4	74.8

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.² Less than one-tenth of 1 per cent.³ Not reported separately.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oil (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).			
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).							
All industries.....	1919 6,213	1914 16,318	1909 —61.9	1,403,043 1,138,712 23,2	60,523 32,332 87.2	3,168,330 1,620,948 75.2	21,408 (1)	13,022,876 16,590,302 —21.5	
Per cent of increase ²									
Bread and other bakery products.....	605			7,041	1,050	4,080	508	123,065	
Brick and tile, terra-cotta, and fire-clay products.....				88,392		10,474	-----	1,154,527	
Butter.....	35			18,037		2,386	31	20,411	
Cars and general shop construction and repairs by steam-railroad companies.....	105			153,207	824	328,933	82	29,248	
Cement.....				195,432	2,500	144,160	40	1,796,222	
Chemicals.....				8,990	21,321	6,621	-----	100	
Condensed milk.....				7,532	667	163	70,583		
Flour-mill and gristmill products.....	3,845			72,324	9	203,650	14,210	137,723	
Foundry and machine-shop products.....	53			5,764	18,677	5,365	458	62,012	
Gas, illuminating and heating.....				8,713	643	12,405	5	-----	
Ice, manufactured.....	8			94,086	725	70,735	883	343,426	
Paints.....				32,635		-----	1	66	
Paper and wood pulp.....				15,259		27,085	10	-----	
Petroleum, refining.....				58,352		1,555,484		3,102,277	
Poultry, killing and dressing; not done in slaughtering and meat-packing establishments.....				5,703		606	19	6,715	
Salt.....				128,085	533	31,538	-----	35,027	
Slaughtering and meat packing.....				325,831		502,089	1,432	33,200	
Smelting, lead.....				9,000		-----		858	
Smelting and refining, zinc.....				10,300	11,200	234		5,251,309	
Soap.....				80,841		-----			
Sulphuric, nitric, and mixed acids.....				17,330		-----			
Wall plaster and composition flooring.....				4,476		17,800	158	-----	
All other industries.....				1,562	46,583	3,082	84,349	3,300	
Total for cities.....				1,787	867,438	42,250	1,108,014	8,038	703,745
ARKANSAS CITY.....				67		45	30,105	1	25,578
ATCHISON.....				12,924		2,923	57	88	6,688
CHANUTE.....				276		90	13,160	-----	18,316
COFFEYVILLE.....			7	42,854	102	205,132	60	374,381	3,323
EL DORADO.....				17	260	215,550	218		
EMPIORIA.....				6,601	83	1,255	1	588	
FORT SCOTT.....				16,194	2,507	-----	153	2,698	
HUTCHINSON.....			2	103,135	22,251	50,816	3	60,573	
INDEPENDENCE.....			6	30	250	-----	35	56,237	
KANSAS CITY.....			187	506,674	10,363	459,286	2,100	40,496	
LAWRENCE.....				10,655	25	29	9	6,697	
LEAVENWORTH.....			13	23,761	503	681	-----	5,639	
PARSONS.....				10,797	420	66,037	17	9,230	
PITTSBURG.....			10	55,077	387	10,040	29	6,884	
SALINA.....				10,388	238	24,032	15	151	
TOPEKA.....			11	40,353	809	184,600	29	19,289	
WICHITA.....			1,486	12,935	850	72,042	271	66,977	

¹Included in total for fuel oils.²A minus sign (—) denotes decrease.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for six of these industries in Kansas are here presented.

Slaughtering and meat packing (Table 19).—This table presents for the census years 1919, 1914, and 1909 the kind, number, and cost of animals slaughtered; the cost of all other materials, which includes the cost of poultry, dressed meat purchased for curing and for making lard compounds and substitutes, and oleo oil, cottonseed oil, refrigeration, seasoning, curing materials, fuel, rent of power, mill supplies, and freight; and the quantity and value of the principal products that can be shown without disclosing the operations of individual establishments. Under "All other products" is included the value of canned sausage, oils (other than oleo), oleo stearin, meat puddings, head cheese, etc., hoofs, horns, horntips, strips and waste, skins (other than cattle, calf, and sheep), hog and cattle hair, cattle switches, beef extract, stock food, ice, serum, and virus.

Since the 1914 census, the cost of materials increased \$251,907,168, or 185.3 per cent, and the value of products \$276,016,022, or 182 per cent. The actual production increase is indicated by the number of animals slaughtered in 1919 and 1914. The increase in beefes was 489,617, or 49.4 per cent; calves 256,869, or 197.4 per cent; and hogs 1,712,288, or 60.6 per cent. The only decrease was 358,748, or 23 per cent, in sheep, lambs, goats, and kids.

This state ranks second in the slaughtering and meat-packing industry in value of products for the United States, and has held that rank since 1904. Of the total value of products of the industry in the state, \$381,694,618, or 89.3 per cent, was produced in Kansas City.

TABLE 19.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$387,858,711	\$135,951,543	\$147,645,990
Animals slaughtered, cost.....	\$335,002,508	\$110,006,102	\$127,959,929
Beefes— Number.....	1,470,805	900,188	1,362,572
Cost.....	\$135,490,811	\$64,624,924	\$63,452,976
Calves— Number.....	386,971	130,102	209,357
Cost.....	\$9,444,961	\$1,897,440	\$2,202,653
Sheep and lambs, goats and kids— Number.....	1,201,150	1,559,898	1,153,303
Cost.....	\$12,584,632	\$7,754,246	\$6,261,352
Hogs— Number.....	4,538,052	2,825,704	4,101,927
Cost.....	\$177,542,104	\$45,620,492	\$57,042,948
All other materials, cost.....	\$52,796,203	\$16,045,441	\$19,686,061

TABLE 19.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
PRODUCTS.			
Total value.....	\$427,663,145	\$151,647,123	\$105,360,516
Fresh meat, value.....	\$161,521,664	\$76,746,849	\$73,263,288
Beef— Pounds.....	596,203,758	474,292,677	686,615,803
Value.....	\$102,543,726	\$53,055,067	\$52,129,324
Veal— Pounds.....	45,030,726	14,797,191	25,731,826
Value.....	\$7,264,133	\$1,655,249	\$2,343,974
Mutton and lamb, goat and kid— Pounds.....	43,302,645	58,814,735	43,884,755
Value.....	\$9,125,859	\$6,878,662	\$1,445,066
Pork— Pounds.....	137,022,776	116,002,875	150,199,802
Value.....	\$33,291,363	\$13,369,953	\$13,757,043
Edible offal and other fresh meat— Pounds.....	77,662,288	28,467,805	8,465,481
Value.....	\$8,906,583	\$1,757,918	\$583,181
Cured meat, value.....	\$134,188,488	\$36,562,746	\$41,416,085
Beef, pickled and other cured— Pounds.....	11,243,674	7,592,670	7,318,060
Value.....	\$1,870,183	\$697,754	\$491,886
Pork, pickled and other cured— Pounds.....	442,902,131	260,884,018	364,998,559
Value.....	\$132,318,305	\$35,564,992	\$40,924,196
Canned goods:			
Pounds.....	67,443,442	12,012,553	17,891,713
Value.....	\$21,740,342	\$2,420,247	\$1,878,568
Sausage:			
Pounds.....	39,325,972	17,706,704	31,200,707
Value.....	\$7,720,842	\$2,004,456	\$2,585,696
Lard:			
Pounds.....	108,754,239	83,753,215	148,408,252
Value.....	\$33,190,657	\$9,030,920	\$16,748,155
Lard compounds and substitutes:			
Pounds.....	46,615,693	40,987,740	(1)
Value.....	\$11,038,742	\$3,431,621	(1)
Oleo oil:			
Gallons.....	2,282,184	1,913,087	3,590,372
Value.....	\$4,749,646	\$1,298,808	\$2,995,219
Tallow and oleo stock:			
Pounds.....	28,936,794	13,253,821	21,794,761
Value.....	\$3,728,904	\$2,884,605	\$1,656,288
Oleomargarine:			
Pounds.....	19,873,546	10,406,870	9,094,584
Value.....	\$5,782,568	\$1,485,536	\$1,187,779
Grease and soap stock:			
Pounds.....	10,709,936	5,817,805	(1)
Value.....	\$1,001,599	\$224,397	(1)
Casings:			
Pounds.....	10,041,550	8,265,080	(1)
Value.....	\$1,242,561	\$945,388	(1)
Fertilizers and fertilizer materials:			
Tons.....	36,304	30,437	62,515
Value.....	\$1,052,638	\$963,029	\$1,383,390
Glue:			
Pounds.....	4,743,306	3,408,265	4,107,026
Value.....	\$646,479	\$234,444	\$171,689
Hides and pelts:			
Cattle— Number.....	1,479,805	900,188	
Pounds.....	78,202,014	54,524,910	
Value.....	\$24,063,346	\$8,943,073	
Calf— Number.....	315,679	84,941	1,449,584
Pounds.....	5,305,550	1,330,010	70,719,102
Value.....	\$2,696,362	\$229,423	\$10,904,415
Sheep— Number.....	1,109,374	1,569,141	1,117,653
Value.....	\$3,328,567	\$1,527,343	\$1,334,782
All other products, value.....	\$8,499,740	\$4,725,238	\$9,561,162

¹ Not reported separately.² No oleo stock reported.³ No fertilizers manufactured.⁴ Includes gelatin.

Flour-mill and gristmill products (Table 20).—This table shows the details as to quantity and value of products of the industry in Kansas, for 1919, 1914, and 1909.

Wheat flour was the chief product of the industry in the state in 1919 and in 1914, its value forming 82.9 per cent and 77.5 per cent, respectively, of the

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total value reported for the industry in those years. In 1919 the value of bran and middlings formed 12.1 per cent of the total value of products and feed and offal 3.3 per cent. The corresponding percentages in 1914 were 13.3 and 6.4 per cent, respectively. From 1914 to 1919 the value of wheat flour increased \$115,050,183, or 203.6 per cent, but the quantity increased only 26.4 per cent, or 3,379,639 barrels. During this five-year period, similar conditions apply to bran and middlings, which increased 157.3 per cent in value and 22.6 per cent in quantity, while feed and offal, although showing an increase of 48.9 per cent in value, shows a loss of 29 per cent in quantity.

TABLE 20.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$206,881,300	\$72,894,736	\$68,476,410
Wheat flour:			
Barrels.....	16,157,221	12,777,582	10,887,744
Value.....	\$171,564,543	\$56,514,360	\$52,589,913
Rye flour:			
Barrels.....	17,450	9,950	5,745
Value.....	\$153,524	\$36,871	\$25,938
Corn meal and corn flour:			
Barrels.....	241,247	388,766	570,941
Value.....	\$1,860,184	\$1,371,077	\$1,767,903
Buckwheat flour:			
Pounds.....	118,000	168,600	407,855
Value.....	\$7,350	\$5,585	\$11,768
Barley meal:			
Pounds.....	1,200,000	.....	.....
Value.....	\$38,290	.....	.....
Bran and middlings:			
Tons.....	596,119	480,245	.....
Value.....	\$24,972,803	\$9,704,250	.....
Feed and offal:			
Tons.....	123,724	174,229	620,946
Value.....	\$6,926,772	\$4,651,355	\$13,446,894
Alfalfa meal:			
Tons.....	25,659	.....	.....
Value.....	\$702,054	.....	.....
Hominy and grits:			
Pounds.....	1,422,300	36,755,200	22,900,765
Value.....	\$100,447	\$557,828	\$332,836
All other cereal products, value.....	\$495,892	\$45,293	\$108,806
All other products, value.....	\$9,441	\$9,108	\$192,282

Butter, cheese, and condensed milk (Table 21).—This table shows the chief products of the industry in Kansas for 1919, 1914, and 1909.

TABLE 21.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$27,253,811	\$10,219,813	\$6,070,634
Butter:			
Pounds.....	36,567,263	29,278,717	18,712,568
Value.....	\$20,369,842	\$7,773,147	\$4,997,003
Packed solid—			
Pounds.....	21,051,042	12,770,193	10,659,510
Value.....	\$11,483,817	\$3,357,537	\$2,799,381
Prints or rolls—			
Pounds.....	15,516,221	10,508,524	8,053,058
Value.....	\$8,886,025	\$4,415,610	\$2,198,522
Condensed and evaporated milk:			
Pounds.....	21,831,821	(2)	(2)
Value.....	\$2,760,970	(2)	(2)
Cream sold:			
Pounds.....	634,455	605,423	520,802
Value.....	\$160,440	\$80,930	\$83,233
All other products, value.....	\$3,972,559	\$2,359,736	\$989,498

¹ Excludes statistics for 2 establishments manufacturing cheese, to avoid disclosure of individual operations.

² Included in "All other products," to avoid disclosure of individual operations.

Of the total value of products of the industry in the state in 1919, butter represented 74.7 per cent, of

which 56.4 per cent was "packed solid," and 43.6 per cent, "prints or rolls." From 1914 to 1919, the total value of butter increased \$12,596,695, or 162.1 per cent, and the quantity 7,288,546 pounds, or 24.9 per cent. There was an increase during this period in the value of both kinds of butter, but while the quantity of that packed solid increased 64.8 per cent, there was a decrease of 6 per cent in the quantity of that in prints or rolls.

Petroleum, refining (Table 22).—This table shows the quantity and cost of the principal materials and the quantity and value of the chief products of the petroleum-refining industry in Kansas in 1919, 1914, and 1909. Measured by value of products, the state ranked tenth among the states in 1919, eleventh in 1914, and tenth in 1909.

The total production of refined oils in 1919, including gasoline and naphthas, fuel oils, illuminating oils, and lubricating oils, was 13,010,844 barrels of 50 gallons, value \$61,974,502; as compared with 4,926,717 barrels in 1914, value \$8,324,198; and 3,246,525 barrels in 1909, value \$3,999,956. The figures show a quantity increase from 1914 to 1919 of 164 per cent, with an increase in value of 645 per cent, or in terms of unit values an increase from an average of \$1.69 per barrel in 1914 to \$4.76 in 1919.

TABLE 22.—PETROLEUM, REFINING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$51,335,700	\$7,184,061	\$2,816,710
Crude petroleum:			
Barrels (42 gallons).....	10,502,812	6,050,170	4,063,270
Cost.....	\$43,202,821	\$6,189,177	\$2,085,202
Distillates, purchased and rerun:			
Barrels.....	279,793	.....	.....
Cost.....	\$588,232	.....	.....
Casing-head gasoline purchased:			
Barrels.....	151,971	.....	.....
Cost.....	\$1,433,116	.....	.....
Sulphuric acid:			
Tons (net).....	18,117	.....	.....
Cost.....	\$332,424	.....	.....
Caustic soda:			
Pounds.....	1,985,500	\$85,522	\$58,330
Cost.....	\$81,801	.....	.....
Other chemicals, cost.....	\$87,183	.....	.....
Fuller's earth:			
Tons.....	5,285	.....	.....
Cost.....	\$170,548	.....	.....
Other filtering material, cost.....	\$6,938	.....	.....
Containers and materials therefor, cost.....	\$325,197	\$121,728	\$64,121
All other materials, including fuel, cost.....	\$5,107,511	\$788,534	\$600,057
PRODUCTS.			
Total value.....	\$63,785,520	\$8,022,718	\$4,077,225
Naphthas and lighter products:			
Gasoline—			
Gallons.....	220,894,130	49,016,300	.....
Value.....	\$37,481,281	\$3,670,641	.....
Naphtha and benzine—			
Gallons.....	2,307,310	4,122,400	.....
Value.....	\$348,890	\$220,768	.....
Illuminating oils:			
Gallons.....	110,279,170	63,275,150	35,242,250
Value.....	\$9,284,192	\$1,773,420	\$1,170,200
Fuel oils:			
Distillates—			
Gallons.....	3,337,500	1,228,850	.....
Value.....	\$225,773	\$33,850	.....
Gas oils—			
Gallons.....	36,413,500	20,654,400	103,500,500
Value.....	\$1,481,725	\$407,110	\$1,280,202
Residual fuel oils—			
Gallons.....	250,517,100	90,150,700
Value.....	\$8,584,453	\$1,613,649

¹ Included with "All other materials."

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TABLE 22.—PETROLEUM, REFINING: 1919, 1914, AND 1909—Con.

	1919	1914	1909
PRODUCTS—continued.			
Lubricating oils:			
Gallons.....	26,903,330	8,888,050	4,129,800
Value.....	\$4,568,188	\$695,754	\$237,653
Lubricating greases:			
Gallons.....	436,100	296,150	97,250
Value.....	\$104,664	\$32,514	\$9,755
Paraffin wax:			
Gallons.....	1,617,880	483,050	158,550
Value.....	\$677,405	\$72,500	\$17,813
All other products, value.....	\$1,028,949	\$493,506	\$49,701
EQUIPMENT.			
Stills:			
Steam—			
Number.....	78	37	29
Capacity.....gallons..	1,401,578	704,802	429,786
Fire—			
Number.....	284	188	76
Capacity.....gallons..	6,055,534	3,288,728	1,337,490
Pressure—			
Number.....	153	(1)	(1)
Capacity.....gallons..	873,120	41	31
Agitators:			
Number.....	70		
Capacity.....gallons..	2,418,093		
Chilling houses for paraffin:			
Number.....	9	(1)	(1)
Capacity.....gallons..	527,740		
Filter houses:			
Number.....	10	(1)	(1)
Capacity.....gallons..	373,075		
Hydraulic or other presses:			
Number.....	39	(1)	(1)
Capacity.....gallons..	118,637		
Storage tanks for:			
Crude petroleum—			
Number.....	203	42	184
Capacity.....gallons..	80,598,504	42,016,000	8,504,000
Refined petroleum—			
Number.....	831	416	438
Capacity.....gallons..	66,341,344	40,277,000	16,058,000
Fuel oil—			
Number.....	137	64	(1)
Capacity.....gallons..	28,037,755	13,486,000	
Other storage tanks—			
Number.....	233	416	(1)
Capacity.....gallons..	7,994,362	32,315,000	

¹ Figures not available.

Of the total production of refined oils in 1919, fuel oils constituted 44.6 per cent, gasoline and naphthas 34.3 per cent, illuminating oils 17 per cent, and lubricating oils 4.1 per cent. In 1914 the distribution percentages were fuel oils 49.1 per cent, illuminating oils 25.7 per cent, gasoline and naphthas 21.6 per cent, and lubricating oils 3.6 per cent; and in 1909, 63.8 per cent, 21.7 per cent, 12 per cent, and 2.5 per cent, respectively.

Printing and publishing (Table 23).—This table shows the number and aggregate circulation per issue of the various classes of publications in Kansas in 1919, 1914, and 1909.

Of the dailies, 53, with a circulation of 193,289, were published in the afternoon. The increase shown in this circulation during the five-year period from 1914 to 1919 is 35,264, or 22.3 per cent, and for the decade 39,369, or 25.5 per cent.

The increase in circulation of the Sunday newspapers for the five-year period 1914 to 1919 was 42,270, or 48.6 per cent, and for the decade 40,953, or 46.5 per cent.

The decrease in number of weekly newspapers accounts for the decrease in total number of publications.

The foreign-language publications in 1919 numbered 9 with a circulation of 22,725. In 1914 there were 15 such publications and their circulation was reported as 24,767, a decrease of 9 per cent in circulation for the five-year period. All except 3 of the 9 foreign-language publications were weeklies; of these exceptions, 1 in English and German and 1 in English and Swedish were published once a month, and the third was a German quarterly. There were 1 weekly each in the Armenian, Italian, and Swedish language and 3 weeklies in German.

TABLE 23.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	602	709	736	3,876,384	3,818,403	2,703,594
Daily.....	70	69	78	333,573	267,463	250,050
Sunday.....	11	5	6	128,997	86,727	88,044
Semiweekly ¹	9	8	11	11,195	8,308	15,155
Weekly.....	540	593	606	1,084,134	1,658,639	1,403,032
Monthly.....	22	30	30	1,928,656	1,584,540	932,288
All other classes.....	10	4	6	389,850	212,726	15,025

¹ Includes 1 triweekly in 1919 and 2 triweeklies in 1909.

Ice, manufactured (Table 24).—This table shows the quantity and value of ice manufactured in Kansas in 1919, 1914, and 1909, and also the equipment of ice plants in 1919 and 1914. In 1919, as compared with 1914, there was an increase of \$1,626,445, or 97.6 per cent, in the value of ice manufactured in the state, and 75,439 tons, or 15.5 per cent, in quantity.

The 137 establishments reporting in 1919 used 162,064 pounds of ammonia, valued at \$54,785, and 1,428 pounds of carbon dioxide, valued at \$200. The compressor system was used by 124 plants, the absorption by 9, and both systems by 4 plants.

TABLE 24.—ICE, MANUFACTURED: 1919, 1914, AND 1909.

	1919	1914	1909
Number of establishments ¹	137	101	86
Products, total value.....	\$3,509,107	\$1,794,707	\$1,459,842
Can ice:			
Tons.....	2,563,202	487,763	402,685
Value.....	\$33,292,601	\$1,666,156	\$1,311,156
All other products, value.....	\$216,506	\$128,641	\$148,683
Machines used.....	189	148	(*)
Ice-making capacity per day (24 hours) (tons).....	5,914	3,239	(*)
Storage space for ice (cubic feet).....	3,859,846	4,812,742	(*)
Storage space for general cold storage (cubic feet).....	3,706,166	2,276,516	(*)

¹ Does not include 20 establishments manufacturing 93,583 tons of ice, valued at \$531,095 in 1919, as a subsidiary product, nor 17 similar establishments in 1914 manufacturing 107,068 tons of ice, valued at \$245,876.

² Includes 1 establishment manufacturing a small quantity of plate ice.³ Not reported.

Laundries (Table 25).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 25, however, summarizes the statistics for such laundries in the state of Kansas for 1919 and 1914.

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TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of in- crease, 1914- 1919.
	1919	1914	
Number of establishments.....	136	150	-9.3
Persons engaged.....	2,270	1,853	22.5
Proprietors and firm members.....	165	180	-8.3
Salaried employees.....	146	66	21.9
Wage earners (average number).....	1,959	1,607	21.9
Primary horsepower.....	2,785	2,664	4.5
Capital.....	\$1,952,927	\$1,181,164	67.9
Salaries and wages.....	1,472,623	743,410	98.1
Salaries.....	191,778	59,707	221.2
Wages.....	1,280,845	683,703	87.3
Paid for contract work.....	910	1,850	-50.8
Rent and taxes.....	137,195	51,736	165.2
Cost of materials.....	912,059	325,076	180.8
Amount received for work done.....	3,358,336	1,695,799	98.0

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 26).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 26.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	60
Persons engaged.....	301
Proprietors and firm members.....	86
Salaried employees.....	12
Wage earners (average number).....	203
Primary horsepower.....	264
Capital.....	\$250,397
Salaries and wages.....	224,020
Salaries.....	8,044
Wages.....	216,276
Paid for contract work.....	2,023
Rent and taxes.....	27,457
Cost of materials.....	138,655
Amount received for work done.....	608,974

Custom gristmills and sawmills (Tables 27 and 28).—Statistics for custom gristmills and custom sawmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 27 and 28, however, summarize the statistics for gristmills for 1919 and 1909 and sawmills for 1919. The value of products for custom gristmills represents the selling value of the grain milled, and that for custom sawmills the amount charged for the work performed.

TABLE 27.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of in- crease, 1909- 1919.
	1919	1909	
Number of establishments.....	28	30	30
Persons engaged.....	30	170	-82.4
Proprietors and firm members.....	24	161	-85.1
Salaried employees.....	1	-----	-----
Wage earners (average number).....	5	9	-----
Primary horsepower.....	679	911	-25.5
Capital.....	\$157,938	\$120,366	22.1
Salaries and wages.....	4,324	3,046	42.0
Salaries.....	300	-----	-----
Wages.....	4,024	3,046	32.1
Rent and taxes.....	1,825	876	108.3
Cost of materials ¹	185,631	146,087	27.0
Value of products ²	234,055	180,117	30.4

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

² Includes estimate of all grain ground.

TABLE 28.—CUSTOM SAWMILLS: 1919.

	Number or amount.
Number of establishments.....	4
Persons engaged.....	7
Proprietors and firm members.....	6
Salaried employees.....	1
Wage earners (average number).....	1
Primary horsepower.....	118
Capital.....	\$4,795
Wages.....	625
Rent and taxes.....	42
Cost of materials.....	196
Value of products ¹	2,510

¹ Amount received for work done.

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GENERAL TABLES.

Table 29 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products for all industries combined and selected industries in the state and in Kansas City and Wichita; and for Topeka and cities having from 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries combined.

Table 30 presents, for 1919, for the state as a whole and for Kansas City, Topeka, and Wichita, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and the statistics for all industries combined for each of the cities in the state having from 10,000 to 50,000 inhabitants.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value	INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value	
				ber of	(aver-	ma-	ucts.					ber of	ber of	(aver-	ma-	ucts.
				estab-	age	ma-	thousan-					estab-	age	estab-	age	thousan-
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																
All industries.....	1919	3,474	61,049	234,110	\$73,060	\$750,083	\$913,667	Flour-mill and gristmill products.	1919	385	3,493	59,829	\$4,146	\$182,333	\$206,881	
	1914	3,136	41,259	179,146	25,970	261,148	323,234		1914	360	2,357	46,015	1,680	64,242	72,895	
	1909	3,435	44,215	213,141	25,904	258,884	325,104		1909	501	2,360	40,218	1,448	60,439	68,476	
Agricultural implements.....	1919	14	120	268	117	453	770	Food preparations, not elsewhere specified.	1919	8	87	879	91	704	996	
	1914	11	64	233	40	154	315		1914	16	103	1,016	50	309	623	
	1909	18	126	434	74	162	369		1909	46	193	3,017	92	1,222	1,747	
Artificial stone products.....	1919	77	118	487	124	241	555	Foundry and machine-shop products. ²	1919	498	4,556	10,664	6,053	12,147	24,249	
	1914	92	114	288	71	132	293		1914	120	2,033	5,030	1,373	4,265	7,027	
	1909	207	307	349	162	297	688		1909	137	2,110	4,304	1,343	3,034	5,919	
Automobile bodies and parts..	1919	28	90	176	93	179	416	Furniture.....	1919	20	508	1,158	444	652	1,385	
	1914	5	6	29	3	11	25		1914	16	413	1,179	224	349	679	
	1909	8	43	15	18	59	104		1909	17	357	960	215	236	616	
Awnings, tents, and sails....	1919	9	45	41	40	114	279	Gas, illuminating and heating.	1919	7	52	557	64	155	400	
	1914	10	35	21	23	69	130		1914	12	62	1,544	37	86	225	
	1909	8	43	15	18	59	104		1909	12	36	275	22	57	208	
Bread and other bakery products.	1919	452	1,307	1,594	1,732	6,458	10,100	Glass.....	1919	5	534	313	1,198	607	2,133	
	1914	472	1,001	1,003	609	2,221	3,914		1914	6	364	105	867	202	729	
	1909	435	900	598	483	1,989	3,433		1909	23	1,435	1,031	986	672	2,037	
Brick and tile, terra-cotta, and fire-clay products.	1919	29	1,136	8,472	1,222	1,199	3,407	Ice, manufactured.....	1919	187	822	16,508	938	1,119	3,509	
	1914	29	1,216	7,239	723	635	1,953		1914	101	684	17,228	436	1,795		
	1909	55	1,819	9,827	911	531	2,336		1909	86	593	14,636	380	342	1,460	
Brooms, from broom corn.....	1919	46	149	175	136	382	720	Lumber and timber products. ³	1919	62	884	8,229	853	2,517	4,357	
	1914	42	183	142	82	240	449		1914	63	767	3,026	463	1,380	2,441	
	1909	45	116	270	68	165	316		1909	73	952	2,947	540	2,072	3,244	
Butter, cheese, and condensed milk.	1919	165	927	3,463	912	23,408	27,254	Marble and stone work.....	1919	58	158	560	184	533	1,161	
	1914	61	761	2,752	407	8,710	10,220		1914	82	191	605	150	376	842	
	1909	60	348	2,544	211	4,951	6,071		1909	82	288	576	184	335	954	
Cars and general shop construction and repairs by electric-railroad companies.	1919	11	162	827	182	145	380	Mattresses and spring beds, not elsewhere specified.	1919	12	196	708	195	814	1,069	
	1914	15	80	1,272	73	51	139		1914	8	140	302	85	244	447	
	1909	5	46	80	33	32	70		1909	14	198	297	79	218	462	
Cars and general shop construction and repairs by steam-railroad companies.	1919	32	11,106	11,928	15,987	10,435	28,231	Mineral and carbonated waters.	1919	68	127	312	100	321	718	
	1914	37	8,865	9,984	5,874	6,297	12,889		1914	93	180	469	79	220	622	
	1909	23	7,088	10,300	5,173	5,219	11,193		1909	92	186	312	78	204	543	
Cement.....	1919	8	1,084	21,247	1,327	3,362	6,700	Paper and wood pulp.....	1919	3	291	2,007	286	1,121	1,779	
	1914	9	1,002	22,037	673	1,309	8,182		1914	3	239	2,344	122	403	610	
	1909	12	2,143	61,754	1,359	1,556	4,682		1909	3	97	920	46	120	218	
Clothing, men's, including shirts.	1919	15	605	129	367	1,122	2,129	Patent medicines and compounds and druggists' preparations. ⁴	1919	44	225	152	286	2,948	4,208	
	1914	16	549	180	173	532	887		1914	54	241	198	129	716	1,432	
	1909	16	408	180	118	382	829		1909	39	63	34	245	619		
Coffee, roasting and grinding..	1919	11	58	149	50	866	1,040	Paving materials.....	1919	25	318	1,867	321	175	676	
	1914	6	42	118	19	291	396		1914	4	179	960	123	254	492	
Confectionery and ice cream..	1919	115	584	1,263	446	2,394	3,886	Petroleum, refining.....	1919	20	2,221	10,950	3,065	51,338	63,786	
	1914	73	342	945	203	731	1,252		1914	13	380	4,423	752	7,185	8,923	
Cooperage.....	1919	10	216	481	232	908	1,319		1909	18	324	1,150	186	2,817	4,077	
	1914	7	147	245	80	317	443									
	1909	12	162	447	78	333	504									
Copper, tin, and sheet-iron work.	1919	47	194	219	215	410	949	Printing and publishing ⁵	1919	738	3,043	7,578	2,818	5,021	12,717	
	1914	62	167	98	130	239	529		1914	769	2,784	3,306	1,515	2,303	6,882	
	1909	70	222	98	151	412	749		1909	798	3,232	4,868	1,650	2,290	7,009	
Explosives.....	1919	4	66	616	89	506	955	Saddlery and harness.....	1919	83	181	150	218	966	1,400	
	1914	3	87	905	75	424	624		1914	111	261	197	174	694	1,174	

¹ Excludes statistics for 2 establishments to avoid disclosure of individual operations.

² Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines"; "hardware"; "iron and steel, welding"; "machine tools"; and "structural ironwork, not made in steel works or rolling mills," in all years; and "plumbers' supplies, not elsewhere specified" and "steam fittings and heating apparatus" in 1914 and 1909.

³ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "window and door screens," in 1919 and 1914.

⁴ Includes "perfumery and cosmetics" in 1914.

⁵ Includes "bookbinding and blank-book making."

MANUFACTURES—KANSAS.

TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Contd.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages.	Cost of	Value	INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages.	Cost of	Value	
year.	estab-	ber	ear-	mar-	ducts.	year.	estab-	bers	com-	horse-	ducts.	year.	estab-	bers	com-	ducts.
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.																

Slaughtering and meat packing.	1919	28	17,805	34,663	\$20,863	\$387,359	\$427,663	Vinegar and cider.	1919	7	34	545	\$30	\$136	\$220
	1914	26	9,884	24,376	6,908	135,952	151,647		1914	5	6	114	3	19	33
	1909	35	10,591	24,560	5,862	147,646	165,361		1909	9	31	113	13	128	103
Smelting and refining, zinc.	1919	3	717	3,523	886	4,604	6,038	Wall plaster and composition flooring.	1919	4	131	1,690	133	193	545
	1914	5	811	3,474	633	4,213	5,259		1914	4	132	1,321	96	126	297
	1909	12	1,821	5,298	1,136	8,877	10,857		1909	6	170	1,030	118	83	287
Tobacco, cigars.	1919	83	239	36	156	360	771	All other industries.	1919	182	5,244	15,006	5,338	38,768	51,073
	1914	117	360	26	165	287	663		1914	189	3,117	9,480	1,868	13,657	18,643
	1909	141	415	30	180	262	632		1909	241	3,680	9,908	2,101	10,178	16,552

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

KANSAS CITY.....	1919	196	22,839	46,923	\$27,130	\$417,518	\$468,686	WICHITA.....	1919	238	3,045	7,754	\$3,231	\$27,346	\$38,580
All industries.	1914	201	13,095	33,472	8,178	139,287	159,700	All industries.	1914	199	1,705	7,417	1,080	8,029	11,068
	1909	165	12,294	31,885	7,027	144,390	164,081		1909	223	1,790	5,328	972	6,702	10,267
Bread and other bakery products.	1919	41	80	195	98	448	773	Artificial stone products.	1919	12	30	244	36	53	147
	1914	38	87	46	85	219	394		1914	11	33	102	26	86	99
	1909	33	65	23	39	143	245		1909	17	84	83	54	76	185
Butter.....	1919	6	44	160	67	1,241	1,447	Bread and other bakery products.	1919	20	266	260	221	887	1,547
	1914	4	8	20	5	37	52		1914	22	129	203	56	244	441
Confectionery and ice cream.	1919	3	31	55	34	87	135	Copper, tin, and sheet-iron work.	1919	9	52	70	60	114	231
	1914	6	54	290	41	193	262		1914	8	24	1	21	35	81
Cooperage.....	1919	4	183	348	193	781	1,099	Flour-mill and gristmill products.	1919	10	273	2,985	288	17,757	20,444
	1914	4	128	245	71	300	415		1914	12	181	3,095	121	5,930	6,488
	1909	4	122	390	65	299	443		1909	15	115	1,838	73	3,388	3,801
Foundry and machine-shop products. ¹	1919	23	1,054	2,939	1,401	4,385	7,179	Foundry and machine-shop products. ²	1919	40	226	485	206	514	1,224
	1914	14	624	1,165	457	2,319	3,158		1914	11	83	200	78	180	329
	1909	17	573	1,345	347	1,095	1,881		1909	15	136	249	91	160	402
Ice, manufactured.....	1919	5	140	1,619	166	142	585	Ice, manufactured.....	1919	3	27	374	31	64	178
	1914	6	82	2,948	63	67	258		1914	4	49	849	38	48	161
	1909	7	119	2,565	90	67	257		1909	5	77	1,149	51	46	212
Printing and publishing.....	1919	23	45	62	52	68	306	Lumber, planing-mill products, not including planing mills connected with sawmills. ³	1919	5	108	239	66	269	434
	1914	20	58	61	41	40	140		1914	9	137	525	99	430	655
	1909	18	72	100	49	58	174		1909	8	212	369	106	785	1,134
Slaughtering and meat packing.	1919	12	16,071	29,754	18,964	349,057	381,695	Mattresses and spring beds, not elsewhere specified.	1919	4	41	145	50	184	287
	1914	11	8,792	19,888	5,226	120,166	133,826		1914	3	23	66	15	43	87
	1909	14	9,261	21,589	5,167	133,554	142,450								
All other industries.....	1919	79	5,101	11,791	6,155	61,309	75,467	Patent medicines and compounds and druggists' preparations. ⁴	1919	11	78	67	95	850	1,400
	1914	98	3,264	8,799	2,207	15,920	21,195		1914	13	51	18	23	112	303
	1909	72	2,082	5,873	1,280	9,174	12,022		1909	16	32	15	19	105	456
TOPEKA ²	1919	160	5,597	14,546	6,424	31,233	45,708	Printing and publishing.....	1919	37	359	302	350	987	2,204
All industries.	1914	161	4,828	9,494	2,706	14,981	20,685		1914	31	220	462	153	216	765
	1909	202	4,244	9,435	2,521	12,250	17,821		1909	39	346	273	185	297	903
								All other industries.....	1919	87	1,570	2,581	1,738	5,067	10,385
									1914	75	775	1,870	400	1,346	2,259
									1909	71	531	1,119	200	1,250	2,168

¹ Includes "automobile repairing"; "structural ironwork, not made in steel works or rolling mills," in all years; and "hardware" in 1910.² Comparative statistics by industries for 1914 and 1909 not available.³ Includes "gas machines"; "machine tools"; and "structural ironwork, not made in steel works or rolling mills," in all years; and "engines, steam, gas, and water" in 1919.⁴ Includes "boxes, wooden packing, except cigar boxes" in 1914.⁵ Includes "perfumery and cosmetics."

MANUFACTURES—KANSAS.

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TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Contd.

MANUFACTURES—KANSAS.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.	Minimum month						

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

														Dollars. 357,534,129	
1	All industries.....	3,474	77,009	3,562	3,520	6,471	2,407	61,049	No 66,069	Ap 56,503	(*)	(*)	(*)	(*)	
2	Agricultural implements.....	14	182	14	16	14	9	129	Ja 150	Ja 108	140	140	161	1,223,022	
3	Artificial stone products.....	77	225	80	7	28	2	118	Ja 191	Fe 60	161	375,820	421,003		
4	Automobile bodies and parts.....	28	145	43	5	3	4	90	De 118	Fe 74	119	116	3	218,024	
5	Automobile repairing.....	325	1,392	424	33	33	32	870	Se 926	Ja 814	945	938	7	1,855,890	
6	Awnings, tents, and sails.....	9	67	7	5	6	4	45	Jy 57	Ja 29	54	28	1	8,209	
7	Bookbinding and blank-book making.....	5	11	6	5	5	5	No 4	Ja 4	4	6	1	5	3,073,758	
8	Bread and other bakery products.....	452	2,022	544	37	55	79	1,307	Oc 1,386	Ja 1,211	1,375	1,074	281	4,242,407	
9	Brick and tile, terra-cotta, and fire-clay products.....	29	1,267	8	60	43	20	1,136	-----	-----	1,324	1,322	2	3,073,758	
10	Building brick.....	19	783	5	44	20	5	709	Se 809	Ja 358	824	824	-----	2,056,596	
11	Sewer pipe, drainpipe, and terra-cotta products.....	10	484	3	16	23	15	427	Au 545	Fe 205	500	498	2	1,285,901	
12	Brooms, from broom corn.....	46	245	56	12	23	5	149	No 162	Ap 4 139	162	134	28	536,010	
13	Butter.....	59	1,049	46	77	101	85	740	Ja 855	Fe 575	666	482	184	4,069,106	
14	Carpets, rag.....	14	55	15	15	-----	-----	40	Oc 4	42	Ja 4	37	33	27,340	
15	Carriages and wagons, including repairs.....	10	21	13	-----	-----	8	-----	-----	-----	8	-----	8	46,273	
16	Carriages and wagons.....	4	12	6	-----	-----	-----	0	(*)	8	(*)	6	2	25,050	
17	Repair work only.....	6	9	7	-----	-----	2	(*)	2	(*)	2	2	2	21,223	
18	Cars and general shop construction and repairs by electric-railroad companies.....	11	183	-----	8	9	4	162	Au 172	Fe 152	170	168	2	202,531	
19	Cars and general shop construction and repairs by steam-railroad companies.....	32	12,033	-----	449	200	98	11,196	De 11,853	Jy 10,787	11,852	11,806	46	16,414,426	
20	Cars, steam-railroad, not including operations of railroad companies.....	5	430	-----	17	13	7	393	Mh 445	Au 355	331	330	1	1,039,202	
21	Cement.....	8	1,241	2	34	92	29	1,084	Oc 1,377	Ja 760	1,303	1,204	9	8,090,142	
22	Cleansing and polishing preparations.....	4	23	6	3	3	6	5	Ja 4	4	6	5	1	436,250	
23	Clothing, men's.....	11	528	4	13	16	9	487	Fe 527	Ap 441	470	41	438	700,709	
24	Coffee, roasting and grinding.....	11	83	13	6	3	3	58	Au 60	Ja 54	58	24	34	331,057	
25	Condensed milk.....	6	217	6	11	7	6	187	My 220	Ja 159	180	160	20	1,280,233	
26	Confectionary and ice cream.....	115	845	140	44	47	30	584	-----	-----	632	323	308	1,921,276	
27	Confectionery.....	54	508	66	24	38	12	368	No 404	Ja 334	415	132	282	1,003,444	
28	Ice cream.....	61	337	74	20	9	18	216	Au 299	Ja 145	217	191	26	917,832	
29	Cooperage.....	10	246	9	13	6	2	216	Oct 237	Fe 204	225	225	225	480,774	
30	Copper, tin, and sheet-iron work.....	47	287	60	16	13	4	194	Au 252	Fe 143	187	185	2	403,874	
31	Druggists' preparations.....	17	285	9	60	20	12	12	Jy 236	De 128	144	137	7	1,401,006	
32	Engines, steam, gas, and water.....	5	254	1	15	9	43	186	Mh 219	No 151	180	181	8	792,212	
33	Explosives.....	4	115	-----	30	14	5	66	Mh 86	Oc 41	54	54	54	1,402,974	
34	Flour-mill and gristmill products.....	385	5,288	341	567	629	258	3,493	Se 4,053	Ja 3,048	4,066	3,904	71	73,137,218	
35	Food preparations, not elsewhere specified.....	8	120	9	14	9	1	87	Oc 105	Ja 23	94	39	55	243,105	
36	Foundry and machine-shop products.....	151	3,547	141	192	109	80	2,935	-----	-----	3,428	3,115	0	11,037,226	
37	Boiler shops.....	10	196	9	15	8	1	163	De 188	Ja 142	187	187	-----	464,426	
38	Foundries.....	8	663	2	22	34	11	594	Ja 565	Fe 526	674	673	1	2,055,968	
39	Machine shops.....	112	1,520	114	95	93	55	1,163	Oc 1,283	Ja 1,020	1,253	1,243	9	5,710,038	
40	Machine shop and foundry combined.....	21	1,168	16	60	64	13	1,015	De 1,314	Mh 842	1,314	1,312	2	3,400,104	
41	Furniture.....	20	572	19	25	15	10	503	-----	-----	512	475	35	960,936	
42	Wood, other than rattan and willow.....	14	449	11	19	14	6	399	De 425	Fe 381	420	380	29	728,071	
43	All other.....	6	123	8	6	1	4	104	Fe 120	De 94	92	86	6	232,205	
44	Gas, illuminating and heating.....	7	79	-----	14	9	4	52	Se 56	No 48	51	51	-----	1,402,048	
45	Glass.....	5	626	-----	22	10	10	584	Oc 821	Ja 194	875	874	1	970,004	
46	Ice, manufactured.....	137	1,008	113	105	25	33	822	Ja 1,300	Ja 453	894	881	5	5,403,771	
47	Lumber, planing-mill products, not including planing mills connected with sawmills.....	55	556	57	24	27	12	436	Oc 482	Ja 388	405	400	5	1,160,352	
48	Marble and stone work.....	58	252	86	4	2	2	158	-----	-----	179	179	-----	802,403	
49	Monuments and tombstones.....	50	224	75	4	2	2	141	My 161	Fe 123	153	153	-----	714,019	
50	Other marble and stone work, except slate.....	8	28	11	-----	-----	17	My 20	Fe 9	26	26	26	-----	88,474	
51	Mattresses and spring beds, not elsewhere specified.....	12	236	10	13	12	5	196	Au 4	207	177	202	165	1	647,871
52	Mineral and carbonated waters.....	68	238	89	11	4	7	127	Jy 220	Ja 61	141	133	3	500,551	
53	Models and patterns, not including paper patterns.....	3	3	3	-----	-----	-----	-----	-----	-----	-----	-----	5,900		
54	Optical goods.....	4	30	2	6	5	4	18	My 4	19	15	20	4	42,516	
55	Paper and wood pulp.....	3	350	7	18	20	5	291	Ja 376	Mh 103	278	247	31	1,451,865	
56	Patent medicines and compounds.....	27	122	23	15	21	22	41	-----	-----	42	17	23	2,089,553	
57	Patent and proprietary medicines.....	21	111	17	14	21	21	38	Fe 4	41	37	12	23	2,075,050	
58	Patent and proprietary compounds, not elsewhere specified.....	6	11	6	1	-----	1	3	De 5	Ja 4	5	5	5	13,603	
59	Paving materials.....	25	383	35	11	17	2	318	Ja 4	399	De 199	417	417	380,214	
60	Petroleum, refining.....	29	2,654	2	150	190	91	2,221	My 2,362	Oo 2,092	2,402	2,401	1	51,629,201	
61	Photo-engraving.....	5	21	5	1	1	2	12	(*)	12	12	12	12	20,322	
62	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	20	441	9	24	16	18	374	No 542	Mh 178	480	281	204	1,724,180	
63	Printing and publishing, book and job.....	143	977	168	58	55	72	624	De 668	Ap 595	663	440	218	4,1	2,104,319
64	Job printing.....	138	964	161	58	53	70	622	De 3	No 1	600	438	218	3	2,175,619
65	All other.....	5	13	7	-----	2	2	2	-----	-----	3	2	1	18,700	

¹Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains.)²Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KANSAS.

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COMBINED AND SPECIFIED INDUSTRIES: 1919.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 10,073,649	Dollars. 11,722,004	Dollars. 73,060,019	Dollars. 500,473	Dollars. 966,515	Dollars. 8,982,303	Dollars. 734,540,932	Dollars. 15,541,055	Dollars. 913,067,084	Dollars. 163,579,107	Dollars. 234,110	112,591	16,998	2a,731	6,337	72,453	48,280	1	
40,800	26,590	117,451	1,083	2,300	5,460	446,101	6,002	769,914	316,011	268	-----	63	205	-----	2	2	2	
16,805	35,136	123,894	500	2,240	4,064	234,824	6,372	554,694	313,498	487	41	136	310	-----	3	3	3	
7,533	6,246	93,045	6,630	6,910	172,612	5,991	415,962	237,459	176	25	2	149	-----	4	4	4	4	
50,503	46,487	1,171,065	18,980	98,809	22,131	1,211,941	63,480	3,238,214	2,012,793	2,129	10	522	1,597	6	5	5	5	
14,055	11,505	39,032	200	3,642	1,413	112,668	1,251	279,278	165,328	41	6	5	30	4	7	7	7	
-----	-----	3,125	960	40	3,470	262	157,770	12,038	4	-----	-----	-----	-----	4	7	7	7	
89,649	103,011	1,731,996	3,035	132,289	101,378	6,226,362	231,361	10,059,615	3,641,892	1,594	16	50	1,459	10	8	8	8	
163,382	81,310	1,222,475	8,144	2,490	70,237	410,879	787,948	3,407,019	2,208,192	8,472	4,147	150	2,481	1,694	150	9	9	
107,928	29,188	762,798	7,038	580	49,171	210,648	532,986	2,143,635	1,400,001	5,862	2,502	150	1,781	1,420	98	10	10	
55,454	52,122	450,677	1,111	1,050	21,068	200,231	254,962	1,263,384	808,191	2,610	1,645	-----	700	205	54	11	11	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	12	
33,150	48,634	136,077	65	2,104	6,525	375,548	6,432	710,940	337,980	175	-----	28	3	144	-----	12	12	
261,501	211,260	728,286	51,088	14,307	209,150	21,007,748	148,204	24,443,687	3,287,715	2,955	1,475	275	1,205	267	13	13	13	
-----	-----	31,931	50	1,819	464	12,725	2,293	66,140	51,122	71	24	47	3	14	33	15	15	
-----	-----	11,134	-----	803	739	19,004	1,053	53,783	33,726	33	-----	-----	-----	-----	-----	-----	15	
-----	-----	7,070	-----	-----	185	333	9,821	480	30,085	10,784	11	-----	-----	-----	11	16	16	
-----	-----	3,464	-----	618	406	9,183	573	23,698	13,942	22	-----	-----	-----	22	17	17	17	
18,087	6,899	182,147	-----	-----	4,252	138,426	6,506	360,154	215,222	827	-----	875	452	-----	18	18	18	
1,178,654	403,957	15,987,475	3,064	-----	142,565	9,482,878	952,211	28,230,850	17,795,761	11,928	9,583	740	-----	250	1,355	8,949	10	
33,473	31,091	478,226	252	6,000	9,816	461,097	26,152	1,257,225	769,976	775	45	-----	730	-----	20	20	20	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10,803	21	21	
110,008	235,520	1,326,976	26,447	2,202	117,704	2,049,878	1,311,800	6,699,560	3,338,121	21,247	13,832	400	7,015	-----	35	22	22	
6,607	5,890	4,281	1,564	622	28,236	562	49,174	20,376	35	-----	-----	-----	-----	105	23	23	23	
28,687	44,296	805,105	991	11,448	37,189	921,328	4,073	1,742,847	817,451	105	-----	-----	-----	149	24	24	24	
9,220	7,106	49,892	-----	4,620	14,178	851,309	5,187	1,039,525	183,029	148	-----	150	213	213	25	25	25	
53,028	18,776	183,330	-----	835	60,269	2,185,018	62,254	2,810,144	502,872	508	327	150	237	35	951	17	26	
112,252	130,427	446,203	1,548	46,188	106,008	2,300,460	17,389	3,886,336	1,492,697	1,263	40	35	237	284	27	27	27	
60,055	116,224	215,840	20,110	80,061	1,087,181	21,194	1,845,776	737,401	326	40	2	33	300	300	33	151	151	151
43,197	20,203	230,803	1,548	17,078	17,007	1,222,279	62,985	2,040,500	755,296	937	237	33	300	300	30	209	209	209
25,917	11,526	231,053	50	3,255	5,688	902,538	5,728	1,318,921	410,658	481	300	300	300	300	30	90	90	90
40,280	19,120	215,130	-----	13,841	6,987	403,844	6,623	949,022	536,555	219	300	300	300	300	30	31	31	31
173,706	39,406	233,007	885	14,008	67,847	2,753,071	9,403	3,604,547	932,313	108	10	8	57	182	20	32	32	32
34,005	32,602	183,055	-----	3,448	5,866	426,132	19,813	1,022,135	576,190	239	300	300	300	300	30	905	33	33
81,600	37,420	88,553	-----	-----	45,332	490,363	15,771	955,150	449,016	616	616	-----	1,242	1,242	1,242	1,242	1,242	40
1,872,000	1,227,501	4,146,050	17,823	23,507	2,006,490	180,751,036	1,581,542	208,851,300	24,547,822	59,829	22,177	4,250	7,009	5,803	20,530	4,803	34	34
29,984	9,993	1,091,090	-----	405	4,007	753,765	10,505	960,079	231,809	879	750	102	27	300	35	35	35	35
550,246	380,700	3,058,937	8,240	28,702	434,234	6,466,087	403,112	15,028,098	8,153,204	6,436	625	100	735	5	4,971	242	36	
48,756	12,461	189,580	500	3,732	39,443	537,232	8,236	1,009,098	523,630	486	-----	-----	-----	486	37	37	37	37
82,403	54,333	783,524	1,550	163,284	129,577	192,104	2,764,316	1,442,035	1,554	-----	5	1,549	-----	39	39	39	39	
287,260	154,601	1,657,251	7,050	16,104	151,854	2,404,920	108,343	6,014,882	3,503,619	2,628	320	509	5	1,694	24	40	40	40
140,827	100,305	1,428,002	600	5,376	79,053	2,394,958	96,429	5,174,797	2,683,410	1,768	305	1,768	221	221	1,242	1,242	1,242	1,242
54,882	30,601	444,142	400	5,860	20,892	619,825	31,878	1,365,009	713,306	1,58	385	385	53	53	715	41	41	41
46,732	24,283	330,065	-----	4,237	13,218	409,706	23,700	1,030,235	545,820	957	355	355	3	599	42	42	42	42
9,150	6,318	104,177	400	1,628	7,674	150,119	8,178	325,774	167,477	201	30	55	116	52	3	44	44	44
20,713	12,340	63,520	600	149	19,092	56,257	58,530	400,198	245,400	557	490	15	216	2	70	45	45	45
65,077	25,625	1,195,872	31,727	31,816	401,597	145,098	2,133,470	1,526,775	313	2,390,079	16,508	18,400	50	1,162	185	1,709	607	607
200,887	46,364	937,639	450	4,875	121,461	416,531	702,497	3,505,107	2,107,070	862,950	1,975	385	170	1,420	47	47	47	47
49,818	41,643	447,772	798	12,480	18,560	1,226,730	27,390	2,107,070	862,950	1,975	385	170	1,420	47	47	47	47	47
7,107	42,886	183,557	3,822	6,432	8,952	525,654	12,828	1,161,145	622,665	500	100	82	66	352	49	50	50	50
7,107	42,886	162,752	3,822	6,042	8,429	490,932	11,553	1,084,340	581,855	418	100	82	66	352	49	50	50	50
-----	-----	20,805	-----	390	523	34,722	1,273	70,805	40,810	142	100	82	66	352	49	50	50	50
24,481	30,070	194,893	315	4,888	8,780	603,890	10,490	1,068,982	454,593	708	-----	100	25	583	53	53	53	53
20,161	9,239	90,533	-----	10,126	228	68	1,215	717,582	396,353	312	51	30	225	9	53	53	53	53
-----	-----	-----	-----	228	68	1,215	242	8,865	4,408	312	51	30	225	9	53	53	53	53
13,181	2,634	14,288	508	3,076	4,636	34,051	1,053	118,941	83,827	18	-----	4	150	65	55	54	54	54
36,807	35,704	280,433	1,200	34,903	1,000,700	120,025	1,778,761	567,976	2,007	1,853	2	2	2	44	44	44	44	44
112,560	64,058	32,709	2,075	4,569	39,373	181,918	3,145	513,381	328,318	48	-----	44	44	44	44	44	44	44
110,780	62,893	29,278	2,075	3,700	39,207	170,474	2,949	475,876	301,953	44	-----	2	2	2	44	44	44	44
1,800	1,163	3,520	-----	809	166	11,444	190	28,005	26,385	2	-----	2	2	2	44	44	44	44
27,605	30,505	320,047	40,108	3,418	130,085	44,501	676,274	500,788	1,867	806	35	265	1	2,346	59	59	59	59
615,527	309,016	3,065,412	23,200	1,533,082	48,118,618	3,217,151	63,785,520	12,449,751	10,950	4,515	1,863	2,225	1	2,346	61	61	61	61
2,600	2,600	12,480	-----	1,538	224	13,253	631	51,158	37,274	940	721	-----	60	159	20	171	171	171
64,470	34,434	306,808	-----	3,895	83,708	5,769,022	33,297	6,657,494	855,175	3	64,562	61,707	3	3	3	640	2	63
151,184	140,441	595,826	46,483	62,106	51,112	992,468	26,293	2,926,415	1,907,654	677	5	32	32	32	2	64	64	63
151,184	146,163	592,057	17,483	61,440	50,891	989,998	25,918	2,861,863	1,845,947	674	5	32	32	32	3	63	2	64
3,288	3,769	29,000	768	221	2,470	375	64,562	61,707	3	-----	-----	-----	-----	3	3	3	3	

^a No figures given for reasons stated under "Explanation of terms."

⁴ Same number reported for one or more other months.
at the year.

MANUFACTURES—KANSAS.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Number, 15th day of—	16 and over.		Under 16.			
					Male.	Female.	Average number.	Maximum month.		Male.	Female.	Male.	Female.		
								Minimum month.							

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	Printing and publishing, newspapers and periodicals.	590	3,709	611	205	222	257	2,414	.....	2,670	1,578	910	88	3	Dollars, 6,071,867
2	Printing and publishing	25	336	23	31	57	34	241	No 3 252	Ja 198	251	165	42	44	527,543
3	Printing, publishing, and job printing.	520	3,206	568	154	151	188	2,145	Do 2,232	Fe 2,100	2,298	1,386	815	44	6,380,956
4	Publishing without printing.....	45	117	20	20	14	35	28	Oc 3 29	Au 20	30	27	3	.....	54,368
5	Saddlery and harness.....	83	304	89	11	16	7	181	Mh 102	Au 172	190	185	.....	.....	959,661
6	Salt.....	12	1,331	1	60	142	56	1,072	Oc 1,154	De 986	994	930	55	.....	5,807,406
7	Shirts.....	4	143	1	7	13	4	118	Ja 130	Ja 8	103	112	10	102	108,770
8	Signs, other than electric.....	4	32	1	2	4	4	25	Ap 3 27	Ja 3 21	25	23	2	.....	131,531
9	Slaughtering and meat packing.....	28	22,621	19	684	3,394	710	17,805	Ja 21,617	Ap 15,650	17,293	15,634	1,088	1	96,067,119
10	Smelting and refining, zinc	3	775	29	18	11	11	717	Fe 842	Oc 637	688	688	.....	.....	4,372,328
11	Structural ironwork, not made in steel works or rolling mills.	8	696	9	25	89	37	536	De 605	Au 465	667	666	1	.....	3,447,449
12	Surgical appliances.....	3	44	1	5	4	11	23	(4) 23	(4) 23	23	14	9	.....	118,750
13	Tobacco, cigars.....	83	341	90	5	5	2	239	De 253	Ja 227	260	85	174	1	455,941
14	Vinegar and cider.....	7	47	5	7	.....	1	34	Se 3 60	Jn 3 20	42	41	1	.....	428,140
15	Wall plaster and composition flooring.....	4	161	2	10	14	4	131	De 173	Fe 92	173	173	15	1	904,047
16	Windmills.....	3	25	3	2	2	2	16	Ja 18	Jy 3 15	16	15	1	.....	111,032
17	Wirework, not elsewhere specified	6	8	7	.....	1	1	Mh 3 2	Ja 6 0	1	1	1	.....	17,465	
18	All other industries*.....	117	5,717	98	223	434	156	4,806	.....	.....	.....	.....	.....	.....	30,165,468

* All other industries embrace—

Automobiles.....	2	Boxes, wooden packing, except cigar boxes.....	4	Cordials and flavoring sirups.....	2	Gas machines.....	2
Baking powders and yeast.....	2	Brass and bronze products.....	1	Cutlery and edge tools.....	1	Glass, cutting, staining, and ornamenting.....	1
Baskets, and rattan and willow ware	1	Buttons.....	2	Dairymen's and poultrymen's supplies.....	2	Gloves and mittens, cloth, not including gloves made in textile mills.....	1
Boot and shoe cut stock.....	1	Canning, vegetables.....	2	Electrical machinery, apparatus, and supplies.....	2	Grease and tallow, not including lubricating greases.....	4
Boots and shoes, not including rubber boots and shoes.....	3	Carriage and wagon materials.....	2	Engraving, steel and copper plate, including plate printing.....	1	Hand stamps.....	2
Boxes, cigar.....	1	Carriages and sleds, children's.....	1	Fertilizers.....	4	Hardware.....	4
Boxes, set-up paper boxes and shipping containers.....	3	Cheese.....	2	Flavoring extracts.....	2	.....	.....
		Chemicals.....	4	Furs, dressed.....	1		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	KANSAS CITY—All industries.	196	28,412	172	963	3,570	859	22,839	Ja 26,000	Ap 19,962	22,171	10,050	2,210	2	132,109,610
2	Automobile bodies and parts.....	5	22	10	.....	.....	12	No 3 23	Ja 8	21	21	.....	.....	40,635	
3	Automobile repairing.....	6	25	10	.....	.....	15	Fe 3 16	Au 13	16	15	1	.....	20,855	
4	Bread and other bakery products.....	41	142	47	3	9	3	80	No 3 89	Ja 68	91	80	11	.....	322,850
5	Butter.....	6	75	10	5	16	.....	44	Jy 3 59	Fe 32	36	34	2	.....	431,713
6	Confectionery and ice cream.....	3	36	2	1	1	1	31	Ja 3 42	Ja 17	35	34	1	.....	132,594
7	Cooperage.....	4	199	3	7	4	2	183	Se 3 197	Jy 3 173	185	185	.....	.....	302,365
8	Copper, tin, and sheet-iron work.....	4	12	5	.....	7	7	Oc 10	Fe 3 5	6	6	6	.....	9,115	
9	Druggists' preparations.....	8	184	1	31	18	10	124	Ap 157	No 73	76	69	7	.....	800,748
10	Flour-mill and gristmill products.....	7	696	3	36	119	48	490	Oc 575	Ap 412	77	68	9	.....	11,420,200
11	Foundry and machine-shop products.....	14	704	10	31	37	12	614	.....	603	602	152	1	2,083,845	
12	Machine shops.....	8	194	10	12	9	4	150	Jy 3 198	Ja 108	153	152	1	.....	601,880
13	All other.....	6	510	19	28	8	4	455	De 510	Ja 417	510	510	.....	1,402,015	
14	Ice, manufactured.....	5	153	1	12	3	2	140	Au 209	Ja 86	136	136	.....	707,487	
15	Lumber, planing-mill products, not including planing mills connected with sawmills.....	3	5	2	.....	3	No 3 4	Ja 1	4	4	4	4	.....	9,000	
16	Printing, job.....	13	40	17	1	1	1	29	De 37	Ja 3 25	35	23	11	1	201,654
17	Printing and publishing, newspapers and periodicals.....	10	31	6	3	1	5	16	.....	19	14	5	.....	42,700	
18	Printing, publishing, and job printing.....	7	25	5	2	1	1	16	Au 3 19	Ja 3 14	19	14	5	.....	37,225
19	All other.....	3	6	1	1	4	.....	1	Ja 3 2	Jy 6 0	2	2	.....	5,475	
20	Saddlery and harness.....	3	4	3	.....	1	1	Ja 10,622	Ap 14,126	15,482	13,806	1,538	.....	7,800	
21	Slaughtering and meat packing.....	12	20,330	7	653	2,070	638	16,071	.....	5,287	4,701	685	1	.....	83,388,329
22	Wirework, not elsewhere specified	3	3	3	3	400	137	4,976	.....	.....	.....	.....	.....	2,865	
23	All other industries*.....	49	5,728	32	180	400	137	4,976	.....	5,287	4,701	685	1	.....	31,022,086

*All other industries embrace—

Artificial stone products.....	1	Boxes, wooden packing, except cigar boxes.....	8	Cars and general shop construction and repairs by steam-railroad companies.....	1	Clothing, men's.....	1
Awnings, tents, and sails.....	1	Brick and terra-cotta products.....	1	Cars, steam-railroad, not including operations of railroad companies.....	2	Coffins, burial cases, and undertakers' goods.....	2
Boxes, paper and other, shipping containers.....	1	Brooms, from broom corn.....	1	Chemicals.....	1	Cordials and flavoring sirups.....	1
		Carriage and wagon materials.....	1	Engraving, steel and copper plate, including plate printing.....	1	Engaving, steel and copper plate, including plate printing.....	1

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KANSAS.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								POWER.							
Salaries and wages.			Rent and taxes		For materials.			Value of products.	Value added by manufacture.	Primary horsepower.				Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars, 445,914	Dollars, 500,638	Dollars, 2,140,400	Dollars, 173,624	Dollars, 114,777	Dollars, 101,020	Dollars, 3,877,492	Dollars, 121,035	Dollars, 9,774,617	Dollars, 5,770,120	Dollars, 6,897	Dollars, 61	Dollars, 505	Dollars, 3	Dollars, 6,328	Dollars, 167	Dollars, 1	
87,801	105,490	234,570	2,160	8,471	36,144	361,461	10,720	1,177,350	805,169	306	.....	20	.....	286	.....	2
341,924	309,082	1,957,609	27,702	104,129	63,996	3,482,721	108,640	8,201,429	4,610,068	6,574	61	485	3	6,025	167	3	
16,189	32,068	27,152	143,702	2,177	889	33,310	1,675	305,868	360,883	17	.....	.....	.....	17	.....	4
40,103	33,766	217,958	20,524	28,850	956,871	8,779	1,490,428	524,778	156	.....	4	.....	152	.....	5	
238,071	255,114	1,144,736	24,000	610	508,097	1,540,197	666,322	6,192,693	3,986,174	8,719	6,533	744	.....	1,442	845	6
15,147	27,673	61,752	.....	2,600	10,046	105,451	1,180	336,530	180,399	24	.....	.....	.....	24	.....	7
3,170	3,352	26,991	2,494	652	18,172	433	84,457	65,852	1	.....	.....	.....	1	.....	8	
1,726,093	5,519,005	20,862,027	74,008	7,155	1,223,645	385,173,208	2,055,503	427,663,145	39,804,434	34,603	19,661	2,955	5	12,042	10,955	9	
83,148	83,521	885,584	15,000	50,652	3,096,232	667,339	6,037,920	1,374,340	3,523	1,190	518	626	1,190	518	70	10	
132,041	141,189	695,769	4,000	1,640	79,227	3,363,304	50,274	4,843,476	1,220,000	1,755	.....	85	.....	1,533	70	11
8,008	12,166	14,803	.....	2,388	53,281	1,182	143,415	89,002	21	.....	.....	.....	15	.....	6	2
6,636	14,057	155,893	300	12,177	98,220	356,507	4,320	771,464	411,328	36	.....	.....	15	.....	21	13
13,920	500	20,955	350	450	5,405	127,000	8,576	220,260	84,674	545	.....	.....	31	.....	137	360
31,656	32,702	132,639	.....	10,158	142,299	50,023	515,311	352,389	1,699	825	.....	74	.....	800	105	15
3,280	5,001	17,004	.....	780	1,546	34,670	933	80,820	49,217	31	.....	.....	12	.....	19	16
805,551	850,333	4,805,120	30,735	166,545	746,693	32,635,073	1,012,498	45,612,419	11,004,248	15,357	6,829	4,800	349	3,379	6,148	18

House-furnishing goods, mops and dusters.	2	Mirrors, framed and unframed, not elsewhere specified.	1	Sausage, not made in slaughtering and meat-packing establishments.	1	Stoves and ranges.	2
Instruments, medical and surgical.	1	Oil, composite.	1	Sugar, beet.	1	Sulphuric, nitric, and mixed acids.	1
Iron and steel, welding.	1	Oil, linseed.	2	Show cases.	1	Tinware, not elsewhere specified.	1
Jewelry.	1	Paints.	5	Smelting, lead.	1	Toys and games.	1
Lamps.	1	Perfumery and cosmetics.	2	Soap.	3	Trunks and valises.	3
Lubricating greases.	2	Pickles and sauces.	2	Springs, steel, automobile.	1	Type founding.	1
Lumber and timber products.	2	Pumps, not including power pumps.	2	Stamped ware, not elsewhere specified.	1	Varnishes.	1
Machine tools.	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.	3	Washing machines and clothes wringers.	1	Window and door screens.	1
Millinery and lace goods, trimmed hats and hat frames.	1	Stencils and brands.	1	Window and door screens.	1		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

2,851,856	5,052,418	27,130,310	120,755	101,417	2,188,943	413,842,955	3,675,500	468,686,423	51,167,968	46,923	25,506	2,785	147	18,485	18,877	1
13,735	550	480	12,884	904	38,652	24,864	29	.....	.....	.....	.....	.....	20	.....	15	3
18,042	840	292	11,994	1,060	50,825	37,771	15	.....	.....	.....	.....	.....	165	.....	165	4
7,396	18,030	95,059	9,592	7,543	24,726	772,966	324,517	195	.....	.....	.....	.....	6	.....	164	5
9,100	23,454	67,272	5,100	10,277	1,227,475	13,650	1,447,278	206,153	160	.....	.....	.....	55	.....	55	6
1,200	2,400	38,987	743	497	79,850	7,557	134,524	47,117	55	.....	.....	.....	414	.....	374	12
10,577	8,246	102,835	3,000	4,117	775,937	4,588	1,009,227	318,702	348	300	300	30	18	1,024	218	13
8,887	420	117	12,143	242	28,857	28,857	16,472	63	10	6	6	47	9	3,380	235	10
134,367	31,950	149,045	12,334	35,040	1,946,866	6,871	2,505,638	554,871	63	10	6	47	9	1,308	218	11
175,460	204,663	630,463	1,680	400,422	25,557,043	216,287	20,092,423	3,819,093	4,630	1,250	1,250	40	40	40	374	218	12
120,918	60,277	808,285	5,821	123,240	1,369,194	162,620	3,338,968	1,807,148	1,613	175	175	40	40	40	1,024	218	13
49,374	14,068	200,984	731	10,358	380,027	7,081	1,050,916	671,308	414	611	611	175	175	8	190	190	14
77,544	45,300	605,301	5,080	112,882	988,267	154,945	2,279,052	1,135,840	1,199	1,611	1,611	63	63	63	8	190	14
33,757	8,543	106,497	1,742	21,083	48,582	93,051	585,021	443,388	10,719	63	63	63	63	63	63	63	15
3,900	200	144	138	6,100	1,196	18,015	10,719	63	63	63	63	63	63	63	63	63	16
1,033	1,100	33,717	2,900	3,597	783	48,510	1,244	140,586	90,832	42	5	5	12	5	15	17	
10,900	7,889	18,014	38,672	1,740	680	17,779	827	165,302	146,756	20	.....	.....	5	.....	15	18
7,600	3,000	18,014	6,886	1,140	680	17,654	827	55,371	36,890	20	.....	.....	5	.....	15	19
3,800	4,889	31,786	600	125	.....	109,991	109,806	1	.....	.....	.....	1	.....	1	.....	20
1,621,771	4,819,098	18,904,420	78,508	5,703	1,015,896	346,815,819	2,240,977	381,694,618	32,637,822	29,754	17,129	2,555	5	10,065	9,406	22	
709,777	710,534	5,923,006	4,700	47,811	561,558	35,483,961	899,340	47,554,198	11,170,897	8,316	5,026	200	43	3,047	3,708	23	

Fertilizers.	3	Hardware, locks.	1	Paints.	1	Scales and balances.	1
Flavoring extracts.	1	Lumber and timber products.	1	Patent and proprietary compounds, not elsewhere specified.	1	Soap.	3
Furniture.	2	Marble and stone work.	2	Paving materials.	1	Structural ironwork, not made in steel works or rolling mills.	2
Gas, illuminating and heating.	1	Mineral and carbonated waters.	2	Petroleum, refining.	3	Varnishes.	1
Grease and tallow, not including lubricating greases.	1	Models and patterns, not including paper patterns.	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1		

^a Same number reported for one or more other months.^b Same number reported throughout the year.^c None reported for one or more other months.

MANUFACTURES—KANSAS.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Propri- etors and firm mem- bers.	Sal- ried offi- cers, super- in- tendents, and man- agers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.		
					Male.	Female.	Ave- rage num- ber.	Number, 15th day of—		Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.					

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

														Dollars.	
														10,130,273	
1	TOPEKA—All industries.....	189	6,584	167	302	335	183	5,597	De 5,910	Ja 5,230	5,928	5,030	885	8	5
2	Artificial stone products.....	4	13	4	1	1	1	6	Jy 11	Ja 1	8	8	-----	21,768	
3	Automobile repairing.....	22	135	30	1	6	5	93	Se 108	Fe 83	100	90	1	101,556	
4	Bread and other bakery products.....	14	104	17	6	14	4	63	No 3	Ja 56	60	52	17	210,183	
5	Butter.....	5	126	3	13	6	12	92	Je 124	Fe 76	81	62	19	1,249,890	
6	Carpets, rag.....	3	32	3	-----	-----	-----	29	(*) 28	(*) 29	20	22	7	8,000	
7	Confectionery and ice cream.....	6	65	9	2	1	1	53	No 65	Au 44	62	22	40	140,230	
8	Flour-mill and gristmill products.....	10	270	7	30	27	13	193	Oc 221	Au 163	207	204	2	2,464,184	
9	Foundry and machine-shop products.....	11	321	9	28	48	14	222	De 279	Ja 180	281	280	1	1,180,882	
10	Lumber, planing-mill products, not including planing mills connected with sawmills.....	4	70	4	4	4	3	55	Je 59	Mh 48	58	58	-----	148,208	
11	Mineral and carbonated waters.....	3	15	3	2	1	-----	9	Ja 3	14	Ja 5	11	10	1	82,000
12	Patent and proprietary medicines.....	3	25	1	3	12	3	6	(*) 6	(*) 0	6	2	2	8,537	
13	Printing and publishing, book and job.....	19	279	28	25	18	22	186	De 211	Ap 171	208	133	70	772,321	
14	Printing and publishing, newspapers and periodicals.....	17	950	11	37	60	51	791	-----	-----	800	359	439	1,800,481	
15	Printing, publishing, and job printing.....	10	939	9	35	57	48	790	De 802	Ja 779	799	358	430	2	1,895,087
16	Publishing without printing.....	7	11	2	2	3	8	1	(*) 1	(*) 1	1	1	1	1,304	
17	Tobacco, cigars.....	7	73	8	2	1	-----	62	De 73	Ap 54	73	21	62	51,052	
18	All other industries *.....	41	4,106	30	148	137	54	3,737	-----	-----	3,937	3,698	235	2	10,724,206

* All other industries embrace—	Brass and bronze products.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	1	Druggists' preparations.....	1
Automobile bodies and parts.....	Brooms, from broom corn.....	2	Food preparations, breadstuffs.....	1	Food preparations, breadstuffs.....	1
Awnings, tents, and sails.....	Cars and general shop construction and repairs by electric-railroad companies.....	2	Furniture.....	3	Furniture.....	3
Baskets, and rattan and willow ware.....	Bookbinding and blank-book making.....	1	Coffee, roasting and grinding.....	1	Hand stamps.....	1
Boxes, set-up paper boxes.....	Brasses, tin, and sheet-iron work.....	1	Copper, tin, and sheet-iron work.....	2	Ice, manufactured.....	2

															18,184,701
1	WICHITA—All industries.....	238	4,178	229	250	385	260	3,045	Se 3,390	Ja 2,031	8,304	2,750	546	-----	
2	Artificial stone products.....	12	56	12	3	4	1	36	Je 74	Ja 11	51	51	-----	127,903	
3	Automobile bodies and parts.....	4	31	6	5	-----	1	23	No 3	Ja 8	22	22	-----	100,633	
4	Automobile repairing.....	19	91	21	5	3	4	58	Jy 69	Ja 48	63	63	-----	50,810	
5	Bread and other bakery products.....	20	359	24	9	38	22	266	Oc 287	Fe 248	276	177	99	641,500	
6	Brooms, from broom corn.....	4	80	2	6	8	2	62	No 70	So 56	69	53	16	277,150	
7	Confectionery and ice cream.....	10	73	9	8	6	5	45	-----	-----	30	29	1	323,730	
8	Confectionery.....	5	9	6	-----	-----	3	Ja 3	Mh 1	3	2	1	-----	9,100	
9	Ice cream.....	5	64	3	8	6	5	42	Au 64	Ja 23	27	27	-----	314,039	
10	Copper, tin, and sheet-iron work.....	9	69	10	3	4	-----	52	Jy 61	Ja 43	53	53	-----	104,357	
11	Flour-mill and gristmill products.....	10	420	6	40	74	27	273	Se 330	Ja 223	293	270	14	7,174,020	
12	Food preparations, not elsewhere specified.....	3	6	5	-----	-----	1	De 3	2	Ja 0	3	1	2	7,858	
13	Foundry and machine-shop products.....	15	160	21	8	8	5	118	-----	-----	132	131	1	423,047	
14	Machine shops.....	10	39	13	4	1	3	18	No 28	Ja 8	19	18	1	74,002	
15	All other.....	5	121	8	4	7	2	100	De 113	Ja 84	113	113	-----	348,935	
16	Furniture, wood, other than rattan and willow.....	5	89	4	4	5	1	75	De 80	Fe 71	78	78	5	142,601	
17	Ice, manufactured.....	3	35	7	-----	1	27	Jy 40	Ja 15	15	15	-----	493,732		
18	Lumber, planing-mill products, not including planing mills connected with sawmills.....	5	126	3	8	7	-----	108	Oc 121	Ja 80	108	108	-----	235,546	
19	Marble and stone work, monuments and tombstones.....	3	17	6	-----	-----	11	De 3	12	Fe 8	12	12	-----	44,340	
20	Mattresses and spring beds, not elsewhere specified.....	4	49	2	5	1	-----	41	Se 50	Fe 34	47	38	9	100,028	
21	Patent medicines and compounds.....	8	62	8	5	8	14	27	No 30	Au 22	27	8	19	-----	1,011,457
22	Printing and publishing, book and job.....	22	291	22	17	25	36	191	De 197	Jy 185	193	142	51	401,206	
23	Printing and publishing, newspapers and periodicals.....	15	350	15	23	72	72	188	De 175	Ap 161	175	161	24	923,774	
24	Tobacco, cigars.....	5	6	6	-----	-----	-----	-----	-----	-----	-----	-----	6,000		
25	All other industries *.....	62	1,803	47	107	122	69	1,463	-----	-----	1,687	1,353	304	-----	5,339,713

*All other industries embrace—	Butter.....	2	Chemicals.....	1	Engines, steam, gas, and water.....	2
Agricultural implements.....	Carpets, rag.....	2	Cleansing preparations.....	2	Flavoring extracts.....	1
Automobiles.....	Cars and general shop construction and repairs by steam-railroad companies.....	2	Clothing, men's.....	3	Gas machines.....	2
Awnings, tents, and sails.....	and repairs by electric-railroad companies.....	2	Coffee, roasting and grinding.....	3	Glass, cutting, staining, and ornamenting.....	1
Bookbinding and blank-book making.....	Companies.....	1	Coffins, burial cases, and undertakers' goods.....	1	Grease and tallow, soap stock.....	1
Boots and shoes, not including rubber boots and shoes.....	Cars and general shop construction and repairs by steam-railroad companies.....	1	Cooperage, hogsheads and barrels.....	1	House-furnishing goods, mops and dusters.....	1
Boxes, set-up paper boxes.....	and repairs by electric-railroad companies.....	1	Druggists' preparations.....	2		

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KANSAS.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.								
Salaries and wages.			Rent and taxes.			For materials.			Value added by manufacture.	Primary horsepower.					Electric horse-power generated in establishments reporting.		
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent ed. ²				

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 903,517	Dollars. 634,054	Dollars. 6,424,479	Dollars. 93,187	Dollars. 64,354	Dollars. 436,084	Dollars. 30,608,080	Dollars. 534,984	Dollars. 45,707,711	Dollars. 14,474,647	14,546	4,544	1,060	1,272	7,670	3,871	1	
1,240	3,838	7,735	46	179	11,891	236	35,270	23,152	33					6	27		
1,529	11,399	11,320	11,978	2,901	188,514	6,935	383,554	218,105	129					8	121	3	
11,848	30,273	65,198	870	6,903	8,355	483,263	13,949	883,568	206,356	131				131		4	
98,474	16,668	95,798	557	58,080	8,943,998	33,595	4,588,730	611,146	877	652				130	95	223	
			300	153	7,000	1,004	38,800	30,196	31					24	7	5	
			24,848	-----	-----	2,778	428,747	112,441	81					81	3	6	
6,000	900	41,714	1,650	6,579	313,528	2,778	-----	-----						7		7	
104,501	53,186	236,332	270	83,521	10,529,067	66,918	11,665,480	1,089,465	2,972	1,400				787	785	6	
80,172	49,154	206,692	6,000	2,360	34,638	571,993	11,303	1,281,039	697,743	579				10	569	9	
8,451	8,433	59,049	1,680	3,832	266,009	5,780	379,144	107,355	313	100				25	188	10	
2,550	1,584	8,470	660	2,586	16,854	442	44,665	27,369	21					6	15	11	
7,200	11,150	3,548	2,496	226	12,700	447	47,900	34,753	18					18	18	12	
65,275	45,022	180,651	29,150	14,415	35,829	800,858	7,015	981,097	667,224	188				188		13	
128,534	166,751	722,346	55,847	4,170	16,301	1,977,952	13,210	3,370,070	1,378,002	4,541				4,541		14	
125,934	162,000	722,250	2,700	4,110	16,301	1,977,204	13,216	3,300,162	1,309,742	4,541				4,541		15	
2,600	3,845	96	53,147	60	748	-----	60,908	60,100	-----					4		16	
3,000	1,200	50,635	2,720	20,477	83,341	806	173,079	88,842	4					900	3,639	17	
384,743	233,618	4,521,767	14,089	107,407	12,034,612	370,440	21,600,550	9,201,598	4,628	2,392	1,060	276					18

Marble and stone work.....	2	Optical goods.....	1	Shirts.....	1	Surgical appliances.....	1
Mattresses and spring beds, not elsewhere specified.....	2	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	1	Signs, other than electric.....	1	Toys and games.....	1
Models and patterns, not including paper patterns.....	1	Slaughtering and meat packing.....	1	Slaughtering and meat packing.....	1	Trunks and valises.....	1
		Structural ironwork, not made in steel works or rolling mills.....	2	Structural ironwork, not made in steel works or rolling mills.....	2	Vinegar.....	1
		Saddlery and harness.....	1	Windmills.....	1		

872,122	805,042	3,230,010	65,240	126,680	792,014	26,954,152	391,818	38,580,182	11,234,212	7,754	2,144	.....	211	30	5,309	720	1
7,026	10,488	36,494	1,156	1,595	51,744	1,677	147,396	93,975	244	1			45		198		2
1,200	410	21,043	905	1,477	30,818	1,252	72,123	40,053	30			2		28		3	
13,044	7,245	81,289	10,500	13,185	1,240	69,030	4,388	254,934	180,807	86			2		86		4
25,475	101,420	221,174	500	8,765	43,105	807,830	19,850	1,546,942	659,753	256			2		266		5
21,050	25,400	48,876	1,140	4,362	156,109	2,347	205,984	137,528	72			150		70		6	
23,688	9,337	59,024	6,267	9,017	291,679	30,775	608,308	285,854	258			150		108		7	
23,638	9,337	56,504	1,590	146	11,080	304	21,100	9,056	7			3		73		8	
9,000	6,500	59,864	4,677	8,871	279,099	30,411	587,208	276,798	251			150		101		9	
277,737	147,803	287,999	1,032	1,730	387,178	17,636,442	121,670	20,443,650	2,686,538	2,985	1,000		2		1,985	165	11
		940	405	17	12,524	279	17,303	4,500	4			2		2		12	
17,900	12,603	157,580	1,650	3,480	23,186	270,728	14,295	631,235	346,212	312			17	5	290		13
7,000	5,154	17,615	1,050	3,180	855	48,132	1,611	118,421	68,688	68			17	5	46		14
10,900	7,449	130,971	600	300	22,331	222,600	12,684	512,814	277,524	244					244		15
7,385	6,853	72,711	2,850	1,813	97,282	3,090	219,046	119,208	165						165		16
15,327	140	31,008	7,600	8,208	10,574	44,041	178,063	114,433	374	343				31	25	17	
17,200	15,428	65,549	7,600	5,171	286,102	2,589	433,655	164,904	239	135				104		18	
		15,544	700	912	273	21,650	830	56,421	33,941	62			45		17		19
10,787	2,300	49,736	1,309	2,252	182,355	2,045	287,495	103,095	145				25		120		20
92,000	47,875	23,414	604	38,231	121,348	2,051	353,503	230,194	25				25				21
49,381	78,647	174,830	14,101	18,021	6,347	290,347	6,565	850,758	553,846	193			3		103		22
56,476	140,480	174,810	32,420	6,300	28,226	674,679	15,805	1,443,652	753,168	109	25		81		110		23
224,216	252,036	1,047,513	4,328	48,150	184	1,100	4,853	121	8,881	3,907	2,119	490	92	1,537	410	24	
					225,703	5,777,777	116,431	10,490,403	4,605,255								

Lamps.....	1	Paints.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1	Trunks and valises.....	1
Machine tools.....	1	Perfumery and cosmetics.....	1	Goods, not elsewhere specified.....	1	Type founding.....	1
Military and lace goods, trimmed hats and hat frames.....	1	Photo-engraving.....	2	Saddlery and harness.....	2	Vinegar.....	1
Mineral and carbonated waters.....	2	Pickles and sauces.....	2	Shirts.....	1	Wirework, not elsewhere specified....	1
Models and patterns, not including paper patterns.....	1	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	1	Show cases.....	1		
Optical goods.....	1	Pumps, not including power pumps.....	1	Springs, steel, automobile.....	1		

* Same number reported for one or more other months.

* Same number reported throughout the year.

* None reported for one or more other months.

MANUFACTURES—KANSAS.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.		
		Total.	Proprietors and firm members	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.				
					Male.	Female.	Average number.	Number, 15th day of—				Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.									

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

																	Dollars.
1	ARKANSAS CITY.....	42	371	42	26	18	10	276	Se ⁸	208	Mh	241	311	250	55	.....	4,335,001
2	ATCHISON.....	52	1,106	49	76	75	44	802	Se	951	Ja	808	907	762	144	1	5,180,310
3	CHANUTE.....	23	250	28	16	13	7	195	Jy	215	Ja	169	193	174	16	2	1,143,420
4	COFFEYVILLE.....	49	1,474	48	66	104	36	1,225	Se	1,301	Ap	1,103	1,326	1,250	47	20	10,966,653
5	EL DORADO.....	25	180	27	13	4	5	131	De	162	Ja	103	165	100	4	1	1,183,046
6	EMPORIA.....	36	171	37	13	4	11	106	Au	125	Ja	81	112	93	10	.....	737,000
7	FONT SCOTT.....	33	716	29	33	42	16	596	Au	677	Ja	497	640	538	102	.....	2,682,476
8	HUTCHINSON.....	96	2,345	92	123	248	116	1,766	No	1,927	Jy	1,616	1,832	1,649	183	.....	8,401,183
9	INDEPENDENCE.....	32	229	37	8	4	11	169	Au	197	Ja	148	187	162	24	1	803,853
10	LAWRENCE.....	49	665	55	40	58	18	494	Se	548	Mh	382	498	378	116	4	3,511,858
11	LEAVENWORTH.....	69	1,614	68	95	90	42	1,319	De	1,370	Mh	1,270	1,386	1,234	140	2	6,334,924
12	PARSONS.....	27	1,259	23	46	23	22	1,145	Ja	1,179	De	1,110	1,137	1,056	57	24	2,414,450
13	PITTSBURG.....	67	1,850	72	79	73	32	1,694	Mh	1,639	Jy	1,533	1,645	1,504	77	4	4,008,073
14	SALINA.....	64	909	66	62	96	55	630	Se	713	Ja	526	688	610	78	.....	5,852,840

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KANSAS.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									Value added by manufacturer.	POWER.					Electric horse-power generated in establishments reporting.			
Salaries and wages.			Rent and taxes.		For materials.		Value of products.	Primary horsepower.								Electric horse-power generated in establishments reporting.		
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Owned.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²	Electric horse-power generated in establishments reporting.			
102,019	52,087	320,428	541	11,729	167,488	7,229,354	68,523	8,721,549	1,423,672	2,281	1,410	528	2,000	44	450	377	10	1
190,030	149,784	882,806	541	15,092	148,593	5,035,309	113,307	8,276,677	2,527,971	5,199	528	400	737	75	1	2,595	171	2
40,743	26,834	223,012	—	3,734	25,600	554,862	29,945	1,089,575	504,768	—	400	—	—	—	—	337	7	3
206,001	242,336	1,487,006	26,632	15,012	206,153	11,438,525	912,048	16,654,602	4,304,089	5,978	1,581	750	1,762	—	—	1,885	1,802	4
21,773	9,298	203,593	—	11,454	22,499	901,907	30,086	1,438,706	500,023	443	70	—	20	—	—	353	—	5
23,606	15,069	131,404	5,328	8,111	11,407	626,965	40,313	1,031,851	364,573	613	422	65	—	—	—	128	35	6
102,707	80,648	622,266	500	9,970	116,923	2,902,200	80,545	4,251,006	1,268,195	1,553	900	156	46	—	—	451	312	7
409,071	409,346	2,101,046	29,405	383,192	290,829	12,234,780	782,017	19,433,163	6,416,366	9,312	5,208	844	10	—	—	3,250	501	8
9,930	12,052	189,095	364	12,286	56,201	527,273	19,090	1,045,617	499,254	637	350	—	8	—	—	279	10	9
66,132	83,072	809,581	6,527	14,845	45,235	3,441,640	109,624	4,631,036	1,073,772	3,351	732	1,000	48	1,000	571	600	10	10
243,313	172,311	1,248,910	372	21,543	138,831	8,024,509	150,955	11,330,465	3,154,911	3,608	1,880	100	42	—	—	1,586	245	11
87,991	50,401	1,380,900	420	7,863	27,797	2,968,288	149,011	4,854,081	1,735,832	4,135	8,086	—	101	—	—	338	2,022	12
197,420	129,958	1,810,649	1,558	30,881	82,157	2,273,901	240,176	5,271,125	2,757,048	3,059	1,715	—	27	—	—	1,317	1,503	13
167,070	167,183	733,958	3,205	20,841	276,413	15,089,112	201,055	17,939,239	2,049,072	4,073	925	—	675	100	2,373	1,006	14	14

¹Same number reported for one or more other months.

KENTUCKY.

GENERAL STATISTICS.

General character of the state.—Kentucky has a gross area of 40,598 square miles, of which 40,181 represent land surface. Its inhabitants in 1900 numbered 2,147,174; in 1910, 2,289,905; and in 1920, 2,416,630. The number of inhabitants per square mile in 1910 was 57, the corresponding figure for 1920 being 60.

In 1920 there were eight cities in the state—Ashland, Covington, Henderson, Lexington, Louisville, Newport, Owensboro, and Paducah—having more than 10,000 inhabitants. The combined population of these cities in that year was 431,920, forming 17.9 per cent of the total for Kentucky. These cities in 1919 reported 72.7 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The large increases in salaries and wages, cost of materials, and value of products, from 1914 to 1919, as presented in Table 1, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919.

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses. Of the 120 counties in the state, Jefferson County alone, which contains the city of Louisville, reported 53.1 per cent of the total value of products in the state in 1919 and 44.6 per cent of the average number of wage earners.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. Their ranking would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 30.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed 500 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—General increases are shown in value of products for the cities for which comparative figures are available and, with the exception of Henderson, in average number of wage earners, from 1914 to 1919.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months for selected industries, similar data are given for males and females for all industries combined, and also for the cities of 10,000 inhabitants and over. There were a number of industries in the state in 1919 in which the number of female wage earners predominated. The eight cities combined reported a slightly larger proportion of female wage earners than the state as a whole, 18.4 per cent as compared with 15.5 per cent for the state.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working-day in Kentucky. In that year 16.5 per cent of the wage earners were included in the group "48 and under" as against 32.8 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 39.6 per cent of the total wage earners, as compared with 20.6 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of small establishments, based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 96.4 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 41.4 per cent of the total number of wage earners. On the other hand, establishments employing an average of more than 100 wage earners represented only 3.6 per cent of the total number of manufacturing establishments in the state, but reported 58.6 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for

MANUFACTURES—KENTUCKY.

the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups in the case of all items for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of an industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 29.1 per cent of the number of establishments in the state in 1919, they reported 84.9 per cent of the average number of wage earners and 85.6 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 8,154, or 16.1 per cent, and the value of products \$142,204,441, or 72.4 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the eight cities in 1919 represented 34.5 per cent of the total in the state. They reported in that year 65.4 per cent of the average number of wage earners and 72.7 per cent of the total value of products.

Principal industries in Covington and Louisville, with per cent of total for state (Table 16).—This table includes all industries in Covington having a product of \$300,000 and over, and in Louisville having a product of \$1,000,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present the statistics of the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing, however, it sometimes happens that quite important industries can not be shown in the city.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 9,259 horsepower, or 3.9 per cent. This increase is due to the gain in rented power which amounted to 37,088 horsepower, or 177.5 per cent. The owned power decreased 27,829 horsepower, or 12.8 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. There was a decided increase in the quantities of each of the several kinds of fuel used in 1919 as compared with 1914, except in anthracite coal, which decreased. In 1919, of the total anthracite coal consumed, 50.3 per cent was used in steam-railroad repair shops, flour and grist mills, and breweries; two industries combined—coke and clay products—consumed 50.5 per cent of the bituminous coal, while blast furnaces consumed 85 per cent of the coke.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1910	1909-1914	1904-1909	1899-1904
Number of establishments.....	3,957	4,184	4,776	3,734	3,648	-5.4	-12.4	27.9	2.4
Persons engaged.....	83,954	77,865	70,060	69,755	(2)	7.8	-1.5	13.3	-----
Proprietors and firm members.....	4,003	4,148	5,050	4,108	(3)	-3.5	-17.9	22.9	-----
Salaried employees.....	10,611	9,131	8,610	5,883	4,356	16.2	6.1	47.1	34.4
Wage earners (average number).....	69,340	64,586	65,400	59,704	51,735	7.4	-1.2	9.4	15.6
Primary horsepower.....	247,573	238,314	230,224	174,625	144,161	3.9	3.5	31.8	21.1
Capital.....	\$276,535,395	\$193,423,060	\$172,778,805	\$147,282,478	\$87,905,822	43.0	11.9	17.3	07.4
Salaries and wages.....	86,711,197	48,153,401	37,401,045	30,309,931	22,638,883	100.9	15.1	23.7	33.9
Salaries.....	19,677,651	11,323,118	9,603,373	5,871,247	4,184,631	73.8	17.0	63.6	40.3
Wages.....	67,033,546	31,830,283	27,587,072	24,438,684	18,454,252	110.6	14.1	14.1	32.4
Paid for contract work.....	2,317,700	1,852,415	1,052,093	1,569,713	(2)	71.4	28.5	-33.0	-----
Rent and taxes.....	16,920,389	39,890,013	36,243,768	8,1,041,671	(3)	-57.6	10.1	-----	-----
Cost of materials.....	235,715,626	114,829,223	111,770,317	80,545,404	67,400,202	105.3	2.7	20.2	28.4
Value of products.....	305,660,417	230,248,909	223,754,497	159,753,908	126,508,680	71.8	2.9	40.1	26.3
Value added by manufacture ⁴	159,944,701	115,419,686	111,975,180	73,208,504	59,102,458	38.6	3.1	53.0	23.0

¹ A minus sign (−) denotes decrease.² Figures not available.³ Exclusive of internal revenue.⁴ Value of products less cost of materials.

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TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establish- ments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manu- facture.	Primary horse- power.
		Average number.	Wages.					
The state.....	3,957	69,340	\$67,033,546	\$16,920,389	\$235,715,026	\$305,660,417	\$150,944,791	247,573
Adair.....	22	70	46,039	1,383	151,186	259,087	107,851	1,113
Allen.....	16	35	23,730	1,743	123,553	175,831	52,290	549
Anderson.....	12	50	39,256	1,734	143,782	223,753	79,971	460
Ballard.....	15	25	16,257	553	223,750	271,999	48,240	395
Barren.....	53	272	163,020	77,679	715,887	1,175,088	459,201	1,372
Bath.....	13	60	42,075	2,000	423,928	821,113	197,185	459
Bell.....	45	569	488,916	33,491	3,408,820	4,616,054	1,208,134	3,850
Bourbon.....	43	201	182,592	15,591	1,094,881	1,562,818	467,937	774
Boyd.....	54	2,580	3,133,843	296,345	14,336,678	19,202,441	4,865,763	38,570
Boyle.....	21	258	302,288	12,715	444,785	890,391	445,606	734
Bracken.....	20	170	118,802	57,249	521,592	952,579	430,987	521
Breathitt.....	28	862	624,636	47,382	465,584	1,572,397	1,106,813	1,315
Brockinridge.....	29	228	158,849	5,219	365,929	691,236	325,357	1,251
Bullitt.....	10	15	7,952	265	45,511	65,322	19,811	161
Butler.....	23	32	20,227	449	103,121	223,336	60,215	571
Caldwell.....	18	273	253,204	9,209	424,844	801,144	376,300	913
Calloway.....	20	56	34,874	5,243	217,827	302,444	84,617	288
Campbell.....	107	3,470	3,871,796	1,152,705	11,122,828	21,260,552	10,137,724	24,780
Carlisle.....	13	27	21,400	767	276,197	345,009	68,812	428
Carroll.....	16	151	109,478	14,653	295,766	621,309	325,543	531
Carter.....	21	1,093	909,701	99,067	1,061,644	2,807,696	1,746,052	3,701
Casey.....	23	84	54,481	1,064	120,380	366,021	245,681	670
Christian.....	68	626	504,608	31,357	4,447,128	5,764,717	1,317,589	2,774
Clark.....	44	280	252,166	22,444	1,495,798	2,047,604	551,506	1,347
Clay.....	42	124	76,896	2,468	121,126	358,081	231,955	763
Clinton.....	10	10	5,990	618	39,037	70,705	31,068	353
Crittenden.....	16	19	14,900	1,140	130,810	186,392	49,782	218
Cumberland.....	9	14	10,640	184	35,814	58,510	22,696	273
Daviss.....	85	1,960	1,576,258	487,564	6,090,038	12,526,051	5,836,013	6,570
Edmonson.....	13	20	12,113	187	76,939	128,228	49,239	252
Elliott.....	8	40	30,820	108	24,170	73,448	49,278	127
Fayette.....	179	1,260	1,322,148	375,756	5,639,970	9,444,771	3,804,801	4,908
Fleming.....	35	60	44,443	3,665	203,927	350,291	146,364	490
Floyd.....	72	236	191,725	14,933	232,174	602,338	370,164	1,187
Franklin.....	44	593	408,933	338,334	3,126,848	5,186,610	2,059,762	1,632
Fulton.....	25	794	617,908	37,154	1,207,582	2,460,123	1,261,541	2,645
Garrard.....	6	15	17,016	863	240,874	286,500	45,716	138
Grant.....	6	11	8,120	718	101,587	128,639	27,102	129
Graves.....	50	841	371,658	51,718	1,968,274	3,034,587	1,086,313	1,168
Grayson.....	22	140	77,094	9,293	498,125	749,580	256,455	415
Green.....	10	17	12,967	207	123,805	153,446	29,641	292
Greenup.....	14	655	843,903	7,519	728,465	1,702,892	973,927	875
Hancock.....	14	22	16,209	2,119	80,809	116,428	35,619	159
Hardin.....	59	464	447,476	26,799	2,883,385	3,816,562	983,177	2,187
Harlan.....	24	162	124,347	3,172	114,845	338,788	221,143	493
Harrison.....	37	112	86,888	11,904	315,290	531,310	216,020	377
Hart.....	44	88	72,377	1,773	494,204	643,928	149,634	1,100
Henderson.....	39	1,011	741,431	11,355	3,248,264	5,267,931	1,919,667	3,729
Henry.....	8	28	30,809	1,831	333,034	482,881	99,847	816
Hickman.....	10	139	105,949	1,930	265,061	520,380	261,325	223
Hopkins.....	58	944	259,452	38,427	895,037	1,550,340	655,303	1,874
Jackson.....	8	190	96,787	33,444	88,370	406,700	318,330	633
Jefferson.....	798	30,060	29,899,741	11,776,191	128,420,158	210,093,296	80,673,138	68,656
Jessamine.....	10	56	51,816	4,447	289,372	436,649	147,277	506
Johnson.....	11	58	66,513	1,080	36,379	138,340	101,901	165
Kenton.....	148	4,784	5,414,055	880,004	8,347,237	18,677,708	10,830,460	9,215
Knott.....	12	14	6,470	356	12,590	29,108	16,518	270
Knox.....	44	178	140,925	5,421	200,080	634,804	325,724	1,011
Larue.....	21	74	48,140	2,416	382,458	498,108	115,650	726
Laurel.....	32	81	48,032	2,247	184,385	370,108	185,723	741
Lawrence.....	16	35	20,262	1,327	247,462	317,833	70,371	340
Lee.....	9	306	290,072	5,910	308,737	1,311,909	703,172	1,177
Leslie.....	11	38	28,248	156	15,536	57,612	42,076	188
Letcher.....	24	100	124,785	370	133,945	344,142	210,197	514
Lewis.....	29	133	86,233	1,798	95,281	237,402	142,121	876
Lincoln.....	17	39	28,085	4,156	376,333	468,772	92,434	721
Livingston.....	16	38	30,817	1,933	148,878	185,568	36,090	1,128
Logan.....	40	211	188,481	6,704	884,615	1,261,378	382,768	1,364
Lyon.....	10	21	26,524	83,549	1,026,085	1,482,740	456,655	296
McCracken.....	89	3,812	3,754,779	339,562	5,328,047	11,622,264	6,294,207	6,071
McLean.....	30	163	83,810	2,031	260,022	491,086	231,064	901
Madison.....	20	82	58,320	6,477	712,615	945,693	231,078	705
Magoffin.....	9	40	64,392	1,360	18,921	107,762	38,841	170
Marion.....	16	73	48,816	3,015	272,458	378,675	106,217	806
Marshall.....	12	26	17,100	982	90,262	136,991	46,729	317
Mason.....	61	462	344,122	39,448	1,521,572	2,378,453	856,881	2,900
Mcade.....	16	45	29,926	516	202,306	388,979	181,178	504
Menifee.....	6	7	5,020	21	6,735	16,755	10,020	101
Mercer.....	22	124	114,537	14,694	730,870	1,115,187	384,297	558
Metcalfe.....	11	16	12,881	606	90,905	125,124	34,219	283
Monroe.....	27	79	51,561	773	313,995	428,799	114,804	863
Montgomery.....	25	92	53,151	8,897	319,321	500,501	181,180	452
Morgan.....	22	174	158,717	6,049	198,728	594,669	395,941	1,103
Muhlenberg.....	43	203	180,141	3,908	800,016	1,197,457	397,441	934
Nelson.....	40	113	84,553	2,416	564,735	715,089	150,354	1,329

MANUFACTURES—KENTUCKY.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
Nicholas.....	15	35	\$25,704	\$4,589	\$137,815	\$215,449	\$77,634	349
Ohio.....	36	61	43,043	2,646	286,204	417,590	151,386	668
Oldham.....	5	14	11,274	805	60,076	97,828	31,752	13
Owen.....	15	5	4,471	497	98,161	134,805	36,644	211
Owsley.....	7	18	4,320	40	9,266	18,025	9,350	36
Pendleton.....	15	26	23,488	1,925	62,706	115,351	52,585	300
Perry.....	24	228	226,532	3,917	235,844	730,155	503,311	771
Pike.....	65	677	672,932	14,579	1,290,301	2,436,360	1,146,068	2,223
Powell.....	8	112	74,893	7,974	42,971	103,197	150,220	778
Pulaski.....	27	877	1,049,704	46,803	1,056,737	2,515,800	1,459,132	2,430
Rockcastle.....	14	134	120,241	2,638	69,837	240,087	170,250	536
Rowan.....	22	562	436,680	26,670	354,772	1,075,110	720,338	1,575
Russell.....	18	31	17,415	804	117,674	186,656	68,982	551
Scott.....	29	78	82,473	9,194	410,100	590,934	180,825	770
Shelby.....	13	29	28,650	1,697	213,213	310,434	97,221	127
Simpson.....	16	55	46,465	2,507	320,093	455,002	134,999	478
Spencer.....	6	7	7,203	400	143,364	191,083	47,719	109
Taylor.....	30	216	179,748	5,655	383,086	700,083	370,997	927
Todd.....	16	109	88,122	1,915	1,184,550	1,332,243	147,693	654
Trigg.....	14	26	15,859	2,271	110,208	164,730	54,402	797
Union.....	14	42	30,353	2,957	271,929	377,200	105,280	889
Warren.....	55	443	421,768	82,956	1,095,795	1,095,181	890,386	1,993
Washington.....	8	15	11,284	744	120,537	156,059	36,422	204
Wayne.....	9	64	80,716	1,025	245,828	380,632	143,704	526
Webster.....	23	44	37,214	2,030	277,919	370,801	98,882	400
Whitley.....	24	1,171	1,504,535	2,882	865,089	2,754,457	1,880,368	918
Wolfe.....	5	7	8,540	645	152,061	206,282	54,221	103
Woodford.....	11	30	23,583	15,426	335,811	472,067	136,256	212
All other counties ¹	26	682	870,047	9,481	516,482	1,831,433	1,314,951	907

¹All other counties comprise Boone, Estill, Gallatin, McCreary, Martin, Robertson, and Trimble.

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.	VALUE ADDED BY MANUFACTURE.	INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.	VALUE ADDED BY MANUFACTURE.
		Average number.	Per cent distribution.					Amount (expressed in thousands).	Per cent distribution.		
All industries.....	3,957	69,340	100.0	\$395,660	100.0	\$159,945	100.0	Tobacco, cigars and cigarettes.....	76	1,271	1.8
Flour-mill and gristmill products.....	533	1,584	2.3	45,774	11.6	6,193	3.9	Boots and shoes.....	7	1,030	0.9
Cars and general shop construction and repairs by steam-railroad companies.....	30	12,372	17.8	30,508	7.7	18,641	11.7	Boxes, paper and other, not elsewhere specified.....	6	764	1.1
Lumber and timber products.....	931	7,716	11.1	23,284	5.9	13,483	8.4	Woolen and worsted goods.....	10	505	0.8
Tobacco, chewing and smoking, and snuff.....	24	2,406	3.5	20,548	5.2	0,239	5.8	Paints.....	13	195	0.3
Iron and steel, steel works and rolling mills.....	5	1,892	2.7	18,310	4.6	5,605	3.5	Cooperage.....	14	582	0.8
Slaughtering and meatpacking.....	26	450	0.6	12,954	3.8	2,295	1.4	Copper, tin, and sheet-iron work.....	44	276	0.4
Foundry and machine-shop products.....	87	2,554	3.7	11,662	3.0	6,264	3.9	Coffee, roasting and grinding.....	15	80	0.1
Clothing, men's.....	50	2,590	3.7	10,072	2.6	4,339	2.7	Ice, manufactured.....	90	754	1.1
Lumber, planing-mill products, not including planing mills connected with sawmills.....	106	1,764	2.6	8,856	2.2	3,581	2.2	Automobile repairing.....	100	614	0.0
Carriages and wagons, including repairs.....	52	1,456	2.1	8,751	2.2	3,632	2.3	Patent medicines and compounds.....	28	228	0.3
Leather, tanned, curried, and finished.....	10	661	1.0	8,748	2.2	2,057	1.8	Mineral and carbonated waters.....	93	297	0.5
Pickles, preserves, and sauces.....	18	1,046	1.5	8,223	2.1	2,703	1.7	Wood, turned and carved.....	10	432	0.6
Bread and other bakery products.....	242	1,030	1.5	7,856	2.0	2,431	1.5	Cordage and twine.....	4	469	0.7
Printing and publishing, newspapers and periodicals.....	252	1,272	1.8	6,183	1.6	4,431	2.8	Carriage and wagon materials.....	19	521	0.8
Brick and tile, terra-cotta, and fire-clay products.....	47	2,349	3.4	5,686	1.4	3,682	2.3	Boxes, wooden packing, except cigar boxes.....	8	500	0.7
Liquors, malt.....	8	563	0.8	5,417	1.4	4,224	2.6	Marlite and stone work.....	63	346	0.5
Furniture.....	29	1,331	2.0	5,412	1.4	3,149	2.0	Stoves and ranges.....	6	454	0.7
Confectionery and ice cream.....	87	797	1.2	5,255	1.3	2,340	1.5	Automobile bodies and parts.....	17	388	0.6
Iron and steel, blast furnaces.....	4	475	0.7	4,465	1.1	854	0.5	Hardware.....	4	343	0.5
Cotton goods.....	6	967	1.4	4,450	1.1	1,534	1.0	Food preparations, not elsewhere specified.....	7	92	0.1
Coke, not including gas-house coke.....	4	568	0.8	4,453	1.1	974	0.6	Brooms.....	36	170	0.2
Saddlery and harness.....	52	479	0.7	4,444	1.1	1,585	1.0	Electrical machinery, apparatus, and supplies.....	9	255	0.4
Printing and publishing, book and job.....	108	1,195	1.7	4,422	1.1	2,920	1.8	Machine tools.....	7	249	0.4
Agricultural implements.....	8	773	1.1	4,407	1.1	2,127	1.8	Structural ironwork, not made in steel works or rolling mills.....	12	106	0.3
Butter.....	16	140	0.2	3,655	0.9	382	0.2	Fertilizers.....	4	81	0.1
								Paving materials.....	38	584	0.8
								Poultry, killing and dressing, not done in slaughtering and meatpacking establishments.....	18	97	0.1
								Clothing, women's.....	10	260	0.4
								All other industries ¹	355	9,152	13.2
									65,421	10.5	24,480
											15.3

¹ Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries, the most important are the following: "Automobiles"; "cement"; "house-supplies, not elsewhere specified"; "musical instruments, pianos"; "oil and cake, cottonseed"; "oil, not elsewhere specified"; "petroleum, refining"; "plumbers"; "shirts"; "tin foil"; "varnishes"; "watchcases"; and "wood preserving."

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TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Cen-	Total.	Male.	Fe-	PER CENT OF		CLASS.	Cen-	Total.	Male.	Fe-	PER CENT OF	
					Male.	Fe-						Male.	Female.
All classes.....	1919	83,954	70,676	13,278	84.2	15.8	Clerks and other subordinate salaried employees.	1919	6,833	4,592	2,241	67.2	32.8
	1914	77,865	67,521	10,344	86.7	13.3		1914	6,122	4,794	1,326	78.3	21.7
	1909	79,060	67,860	11,200	85.8	14.2		1909	5,681	4,443	1,238	78.2	21.8
Proprietors and officials.....	1910	7,781	7,500	281	98.4	3.6	Wage earners (average number).....	1919	68,340	58,584	10,756	84.5	15.5
	1914	7,157	6,940	211	97.1	2.9		1914	64,586	55,781	8,805	86.4	13.6
	1909	7,979	7,781	198	97.5	2.5	16 years of age and over.....	1919	68,957	58,373	10,584	84.7	15.3
Proprietors and firm members.....	1919	4,003	3,850	153	98.2	3.8		1914	64,209	55,582	8,717	86.4	13.6
	1914	4,148	4,002	146	98.5	3.5		1909	64,567	55,072	8,495	85.3	14.7
	1909	5,050	4,893	157	96.9	3.1	Under 16 years of age.....	1910	383	211	172	55.1	44.9
Salaried officers of corporations....	1919	1,486	1,426	60	96.0	4.0		1914	287	199	88	69.3	30.7
	1914	1,272	1,235	37	97.1	2.9		1909	833	504	269	67.7	32.3
	1909	1,304	1,274	30	97.7	2.3							
Superintendents and managers....	1919	2,292	2,224	68	97.0	3.0							
	1914	1,737	1,700	28	98.4	1.6							
	1909	1,625	1,614	11	99.3	0.7							

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen-	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen-	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.				
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.		
			Male.	Fe- male.	Male.				Male.	Fe- male.	Male.	Fe- male.	
All industries.....	1919	69,340	84.2	15.1	0.7	Foundry and machine-shop products ²	1919	2,903	98.8	1.1	0.1		
	1914	64,588	80.1	13.5	0.4		1914	1,003	98.6	1.4	0.1		
	1909	65,400	84.2	14.5	1.3	Furniture.....	1919	1,381	85.4	14.3	0.3		
Agricultural implements.....	1919	773	98.3	1.6	0.1		1914	1,158	96.7	3.0	0.3		
	1914	600	98.9	0.8	0.3	Ice, manufactured.....	1919	754	99.2	0.5	0.3		
Automobile repairing.....	1919	614	99.6	0.3	.....	1914	766	99.2	0.3	0.5			
	1914	32	100.0	.....								
Boots and shoes.....	1919	630	43.7	52.9	3.5	Iron and steel, steel works and rolling mills.....	1919	1,892	99.9	0.1	.....	
	1914	440	52.5	45.0	2.5		1914	1,987	100.0	.....		
Boxes, paper and other, not elsewhere specified.....	1919	764	60.5	33.5	5.4	Leather, tanned, curried, and finished.....	1919	661	99.7	0.3	.....	
	1914	93	34.4	60.2	5.4		1914	600	100.0	.....		
Boxes, wooden packing, except cigar boxes.....	1919	500	82.4	14.0	3.6	Liquors, malt.....	1919	563	98.8	0.9	0.4		
	1914	788	93.4	6.3	0.3		1914	980	99.7	0.3	.....	
Bread and other bakery products.....	1919	1,030	79.2	19.8	1.0	Lumber and timber products.....	1919	7,716	97.7	2.0	0.3		
	1914	903	83.2	15.4	1.4		1914	10,684	90.8	0.1	0.1		
Brick and tile, terra-cotta, and fire-clay products.....	1919	2,349	97.6	1.6	0.8	Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,764	96.7	3.1	0.2		
	1914	2,234	98.6	.....			1914	1,655	97.5	2.2	0.4		
Carriage and wagon materials.....	1919	521	99.6	0.4	0.3	Paving materials.....	1919	584	100.0	.....		
	1914	580	94.6	5.0	0.3		1914	679	100.0	.....		
Carriages and wagons, including repairs.....	1919	1,456	97.0	3.0	0.1	Pickles, preserves, and sauces.....	1919	1,046	54.8	43.7	1.5		
	1914	1,317	99.1	0.8	0.2		1914	350	49.7	50.3	.....	
Cars and general shop construction and repairs by steam-railroad companies.....	1919	12,372	99.9	0.1	.....	Printing and publishing, book and job.....	1919	1,195	64.6	33.9	1.5		
	1914	8,485	99.9	(1)	.....		1914	1,312	60.4	30.0	0.6		
Clothing, men's.....	1919	2,590	18.8	80.3	0.9	Printing and publishing, newspapers and periodicals.....	1919	1,272	83.6	14.1	2.3		
	1914	2,572	24.1	74.9	1.0		1914	1,303	85.2	11.7	3.1		
Coke, not including gas-house coke.....	1919	568	100.0	.....		Tobacco, chewing and smoking, and snuff.....	1919	2,406	85.5	44.5	.....	
	1914	472	100.0	.....			1914	2,312	55.9	43.6	0.5		
Confectionery and ice cream.....	1919	797	55.1	44.4	0.5	Tobacco, cigars and cigarettes.....	1919	1,271	20.7	72.5	6.8		
	1914	780	49.6	50.3	0.1		1914	1,014	39.5	60.1	0.4		
Cooperage.....	1919	582	99.5	0.5	.....	Woolen and worsted goods.....	1919	565	39.1	47.3	13.6		
	1914	794	99.7	0.3	.....		1914	675	38.8	60.6	0.6		
Cotton goods.....	1919	987	41.3	51.9	8.8	All other industries.....	1919	15,270	81.5	17.8	0.7		
	1914	1,158	44.2	55.0	0.8		1914	14,663	83.3	16.2	0.6		
Flour-mill and gristmill products.....	1919	1,584	96.7	3.1	0.2								
	1914	1,447	97.0	2.6	0.3								

¹ Less than one-tenth of 1 per cent.² Includes "iron and steel, welding"; "machine tools"; and "textile machinery and parts."

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TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS		
	Total.			16 years of age and over.						Under 16 years of age.					
	1919	1914	1909	Male.			Female.			1919	1914	1909	1919	1914	1909
				1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Ashland.....	1,912	3,199	3,942	1,770	2,697	3,098	137	493	707	5	9	47	\$15,963,475	\$8,265,406	\$8,711,929
Covington.....	4,038	3,199	3,942	3,440	2,697	3,098	507	388	368	1	3	18	17,120,603	\$8,395,600	2,931,639
Henderson.....	967	1,147	1,088	668	756	702	267	388	368	4	6	5	4,765,359	2,073,457	2,851,125
Lexington.....	1,171	1,130	1,032	1,000	1,057	971	158	67	56	180	73	362	8,570,495	3,530,077	3,505,525
Louisville.....	29,002	25,930	27,023	23,883	20,563	21,244	5,830	5,204	5,417	180	73	362	204,565,727	105,222,671	101,283,955
Newport.....	2,350	1,880	2,341	2,005	1,452	1,706	333	378	583	12	20	52	16,935,349	8,395,600	6,490,596
Owensboro.....	1,350	1,001	1,064	1,066	930	969	307	66	80	7	15	10,634,737	4,050,142	3,505,525	
Paducah.....	3,506	2,402	2,613	3,045	2,124	2,331	508	271	234	43	7	48	10,950,818	4,401,183	4,066,988

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	66,495	63,088	61,110	87.9	95.4	88.0	July.....	67,882	65,207	63,144	89.7	98.6	90.9
February.....	66,213	63,832	62,345	87.5	96.5	89.7	August.....	69,414	66,145	65,853	91.7	100.0	94.8
March.....	66,869	65,834	63,728	88.3	99.5	91.7	September.....	72,032	66,067	68,637	95.2	99.9	98.8
April.....	66,756	66,072	64,826	88.2	99.9	93.3	October.....	74,002	64,742	69,476	97.8	97.9	100.0
May.....	66,268	65,995	64,754	87.6	99.8	93.2	November.....	74,520	61,931	68,639	98.5	93.6	98.8
June.....	65,941	65,633	63,767	87.1	99.2	91.8	December.....	75,688	60,480	68,510	100.0	91.4	98.6

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by italic figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	69,340	66,213	66,809	66,756	66,208	65,941	67,882	69,414	72,032	74,002	74,520	75,688	87.1	
Males.....	58,584	55,986	56,400	55,378	55,205	55,384	67,741	58,640	60,827	62,317	62,883	63,980	87.7	
Females.....	10,756	10,227	10,469	10,378	9,973	10,117	10,141	10,774	11,205	11,685	11,037	11,090	83.1	
Agricultural implements.....	773	879	900	924	885	838	653	645	627	650	706	710	83.8	
Automobile repairing.....	614	513	551	563	572	595	608	643	657	650	655	666	81.5	
Boots and shoes.....	630	449	473	482	454	460	654	688	724	758	775	821	842	
Boxes, paper and other, not elsewhere specified.....	764	1,026	843	772	739	607	688	721	852	830	790	707	57.4	
Boxes, wooden packing, except cigar boxes.....	500	508	484	505	491	504	498	511	516	497	506	484	93.8	
Bread and other bakery products.....	1,030	936	957	977	1,005	1,001	1,050	1,011	1,063	1,044	1,093	1,110	84.2	
Brick and tile, terra-cotta, and fire-clay products.....	2,349	2,116	2,000	2,383	2,376	2,349	2,631	2,575	2,747	2,702	2,106	2,092	72.1	
Carriage and wagon materials.....	521	455	455	469	494	480	502	520	530	555	586	608	74.8	
Carriages and wagons, including repairs.....	1,456	1,482	1,513	1,492	1,323	1,394	1,355	1,421	1,474	1,502	1,475	1,504	80.1	
Cars and general shop construction and repairs by steam-railroad companies.....	12,372	12,353	12,550	12,567	12,230	12,127	11,257	11,572	11,923	12,484	12,777	13,257	13,367	
Clothing, men's.....	2,590	2,586	2,285	2,345	2,354	2,431	2,367	2,420	2,518	2,054	2,087	3,033	3,100	73.7
Coke, not including gas-house coke.....	508	607	591	552	487	547	580	547	537	562	591	564	73.0	
Confectionery and ice cream.....	707	842	854	810	771	754	727	780	822	840	791	850	82.0	
Cooperage.....	532	638	518	487	571	598	557	584	502	563	577	622	707	68.9
Cotton goods.....	967	1,181	1,196	1,201	1,206	1,153	1,211	1,008	923	927	952	924	1,022	50.2
Flour-mill and gristmill products.....	1,584	1,525	1,506	1,423	1,477	1,487	1,554	1,656	1,730	1,725	1,667	1,626	1,632	82.3
Foundry and machine-shop products.....	2,554	2,452	2,407	2,449	2,380	2,357	2,397	2,608	2,614	2,683	2,716	2,762	85.3	
Furniture.....	1,381	1,201	1,255	1,250	1,228	1,355	1,413	1,436	1,479	1,442	1,478	1,456	1,450	81.2
Ice, manufactured.....	754	451	420	496	660	844	1,059	1,140	1,129	990	788	572	490	36.8
Iron and steel, steel works and rolling mills.....	1,892	2,633	2,539	2,335	2,040	2,100	2,090	1,362	863	802	1,038	2,171	2,662	32.4
Leather, tanned, curried, and finished.....	661	636	646	644	659	665	679	690	701	676	652	628	650	89.6
Liquors, malt.....	563	489	481	504	504	533	566	626	680	632	647	572	522	70.7
Lumber and timber products.....	7,716	6,730	6,804	7,065	6,988	6,529	6,402	7,021	7,620	8,825	9,500	9,625	9,470	66.5
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1,764	1,433	1,501	1,593	1,624	1,709	1,800	1,904	1,933	1,943	1,884	1,886	1,850	73.8
Paving materials.....	584	272	272	379	586	620	677	782	775	764	698	643	540	34.8
Pickles, preserves, and sauces.....	1,046	952	935	883	866	750	974	994	1,342	1,394	1,415	1,061	956	53.0
Printing and publishing, book and job.....	1,195	1,208	1,275	1,209	1,321	945	983	901	1,016	1,304	1,205	1,303	1,340	70.5
Printing and publishing, newspapers and periodicals.....	1,272	1,288	1,245	1,245	1,242	1,251	1,251	1,266	1,287	1,301	1,304	1,325	1,300	63.4
Tobacco, chewing and smoking, and snuff.....	2,406	2,245	2,361	2,385	2,358	2,231	2,369	2,600	2,578	2,452	2,471	2,414	2,408	85.8
Tobacco, cigars and cigarettes.....	1,271	1,204	1,221	1,242	1,182	1,177	1,103	1,152	1,213	1,254	1,363	1,493	1,558	73.0
Woolen and worsted goods.....	565	490	433	481	522	560	584	596	628	622	623	640	621	67.7
All other industries.....	15,619	14,578	14,692	14,041	15,094	15,284	14,897	15,753	15,817	16,185	16,491	16,604	17,087	86.3

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TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.											Per cent minimum is of maximum.	
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
<i>Industries showing large proportion of females.</i>														
Boots and shoes.....	350	866	288	277	276	279	361	378	394	398	399	437	447	59.5
Boxes, paper and other, not elsewhere specified.....	256	390	251	270	248	209	194	236	262	288	275	229	220	49.7
Bread and other bakery products.....	208	171	195	202	203	196	213	213	204	233	227	226	226	73.4
Clothing, men's.....	2,100	2,103	1,895	1,944	1,942	1,967	1,896	1,945	2,016	2,146	2,396	2,449	2,501	75.8
Confectionery and ice cream.....	358	423	435	423	363	320	289	307	315	354	334	410	323	66.4
Cotton goods.....	521	662	670	678	676	639	693	706	705	703	489	303	532	42.7
Furniture.....	198	206	216	208	201	200	199	195	193	173	176	212	197	80.1
Pickles, preserves, and sauces.....	469	426	401	445	443	284	342	365	615	652	684	504	487	42.8
Printing and publishing, book and job.....	411	447	449	454	466	510	519	324	334	453	455	454	467	66.4
Printing and publishing, newspapers and periodicals.....	182	172	174	172	172	177	171	179	191	191	194	198	193	86.4
Tobacco, chewing and smoking, and snuff.....	1,070	946	992	1,046	1,028	974	1,080	1,220	1,190	1,105	1,126	1,084	1,049	77.5
Tobacco, cigars and cigarettes.....	1,002	941	951	971	922	916	929	891	949	983	1,083	1,209	1,278	69.7
Woolen and worsted goods.....	328	270	223	273	294	329	326	356	375	364	368	385	364	57.9
Total for cities.....	45,316	44,980	44,588	44,358	44,210	43,904	43,443	43,953	44,762	45,772	46,856	47,809	49,088	88.5
Males.....	36,996	36,653	36,509	36,181	36,091	36,279	35,578	36,102	36,459	37,211	37,810	38,921	40,068	88.8
Females.....	8,320	8,336	8,010	8,177	8,110	7,685	7,865	7,851	8,273	8,561	9,046	8,888	9,020	85.0
ASHLAND.....	1,912	2,068	1,953	1,689	1,585	1,468	1,263	1,026	2,127	2,182	2,168	2,224	2,301	54.5
Males.....	1,773	1,967	1,847	1,586	1,408	1,350	1,129	1,083	2,001	2,045	2,011	2,014	2,055	54.9
Females.....	139	101	100	103	117	118	124	123	120	137	157	210	246	41.1
COVINGTON.....	4,038	3,879	3,890	3,811	3,769	3,709	3,781	3,969	4,286	4,288	4,323	4,318	4,433	83.7
Males.....	3,441	3,259	3,285	3,206	3,188	3,193	3,238	3,467	3,655	3,676	3,696	3,713	3,776	82.8
Females.....	597	620	605	605	641	516	543	602	631	612	627	605	657	76.4
HENDERSON.....	907	1,096	1,090	1,115	1,198	1,183	1,232	687	762	750	942	909	947	48.9
Males.....	856	668	648	675	755	811	654	682	659	685	523	623	641	64.9
Females.....	282	428	442	440	443	372	418	53	80	91	257	74	306	7.4
LEXINGTON.....	1,171	1,050	1,072	1,078	1,063	1,113	1,125	1,168	1,216	1,262	1,288	1,327	1,290	79.1
Males.....	1,013	894	923	934	932	976	1,000	1,035	1,082	1,085	1,104	1,103	1,088	81.0
Females.....	158	156	149	144	131	137	125	133	134	177	184	224	202	55.8
LOUISVILLE.....	29,902	29,605	29,391	29,343	29,206	29,107	28,582	29,272	29,893	30,401	31,097	31,367	31,670	89.6
Males.....	23,948	23,641	23,660	23,483	23,454	23,612	22,915	23,409	23,919	24,299	24,692	24,935	25,387	90.3
Females.....	5,954	6,054	5,741	5,860	5,752	5,495	5,407	5,863	5,974	6,102	6,405	6,432	6,303	85.0
NEWPORT.....	2,350	2,808	2,680	2,743	2,756	2,764	2,818	1,918	1,317	1,202	1,376	2,612	3,137	40.2
Males.....	2,012	2,532	2,409	2,445	2,459	2,455	2,610	1,593	962	898	959	2,195	2,703	33.0
Females.....	338	276	250	298	297	309	308	325	355	370	387	417	434	68.6
OWENSBORO.....	1,380	1,210	1,265	1,274	1,200	1,200	1,344	1,364	1,508	1,598	1,618	1,440	1,383	75.2
Males.....	1,073	957	1,017	1,006	991	1,010	1,045	1,052	1,146	1,220	1,223	1,134	1,075	78.3
Females.....	307	250	248	268	260	280	290	312	362	378	395	300	308	62.8
PADUCAH.....	3,596	3,177	3,238	3,305	3,373	3,330	3,508	3,649	3,653	4,029	4,044	3,919	3,927	78.6
Males.....	3,051	2,736	2,700	2,846	2,904	2,872	2,927	3,089	3,042	3,335	3,410	3,299	3,363	80.2
Females.....	545	442	448	459	469	458	581	560	611	694	634	620	564	63.7

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—								Over 60.
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.		
All industries.....	1910	60,840	3,153	2,626	16,998	8,502	6,840	16,872	12,280	1,979	
	1914	61,556	(2)	(2)	10,672	6,368	11,800	10,185	18,053	7,508	
	1909	65,400	(2)	(2)	9,420	3,364	10,472	6,180	28,602	4,272	
Agricultural implements.....	1919	773				58	11	698	6		
	1914	660				32	28	599	1		
Automobile repairing.....	1919	614			14	8	117	56	411	8	
	1914	32						6	20	6	
Boots and shoes.....	1919	630	29		1	73	423	105			
	1914	440	(2)	(2)			145	293	1		
Boxes, paper and other, not elsewhere specified.....	1919	764	94			4		603	3		
	1914	93						46	47		
Boxes, wooden packing, except cigar boxes.....	1919	500		70	5		16	321	88		
	1914	788				506	132		150		
Bread and other bakery products.....	1919	1,030	28		140	61	256	215	275	55	
	1914	993	(2)	(2)	73	16	199	178	361	166	
Brick and tile, terra-cotta, and fire-clay products.....	1919	2,349	36	74	606	198	302	458	615		
	1914	2,234	(2)	(2)	635	181	237	255	924	2	
Carriage and wagon materials.....	1919	521			5		40	48	385	43	
	1914	580					46	43	258	233	

¹ Includes 48 and under for 1914 and 1909.

² Corresponding figures not available.

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TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Carriages and wagons, including repairs.....	1919	1,456			3	769	197	282	202	3
	1914	1,317	(2)	(2)	269	189	375	24	460	
Cars and general shop construction and repairs by steam-railroad companies.....	1919	12,372			2,196	8,277	4	1,875	20	
	1914	8,485	(2)	(2)	932	1,884	990	.....	25	4,654
Clothing, men's.....	1919	2,590	792	25	1,151	156	77	387	2	
	1914	2,572	(2)	(2)	176	813	939	219	375	
Coke, not including gas-house coke.....	1919	568	55		25	.....	94	304	121	294
	1914	472	(2)	(2)	57	.....	.....	.....	.....
Confectionery and ice cream.....	1919	797	8		30	178	102	28	350	101
	1914	780	(2)	(2)	34	32	75	482	68	89
Cooperage.....	1919	582			4	30	16	487	36	
	1914	794	(2)	(2)	34	58	74	144	484	
Cotton goods.....	1919	967				335	407	.....	225	
	1914	1,158	.....	.....	.....	.....	.....	1,088	70	
Flour-mill and gristmill products.....	1919	1,584	31		426	15	82	31	824	175
	1914	1,447	(2)	(2)	321	15	48	16	746	301
Foundry and machine-shop products ²	1919	2,903	178	7	494	696	223	1,191	114	
	1914	1,603	(2)	(2)	153	188	509	318	435	
Furniture.....	1919	1,381	33		.....	191	251	606	240	
	1914	1,158	(2)	(2)	151	.....	100	383	515	
Ice, manufactured.....	1919	754	1		48	1	17	91	102	404
	1914	766	(2)	(2)	13	3	5	16	52	677
Iron and steel, steel works and rolling mills.....	1919	1,892			603	.....	106	603	260	230
	1914	1,957	(2)	(2)	1,136	.....	.....	158	301	302
Leather, tanned, curried, and finished.....	1919	661			.....	228	310	25	98	
	1914	600	(2)	(2)	12	66	254	40	228	
Liquors, malt.....	1919	568			563	.....	.....	.....	.....
	1914	980	(2)	(2)	677	60	110	133	.....
Lumber and timber products.....	1919	7,716	237	58	150	316	570	1,190	5,186	4
	1914	10,684	(2)	(2)	721	396	2,410	749	6,313	95
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,784	254	26	64	201	207	232	600	
	1914	1,685	(2)	(2)	116	100	703	117	437	2
Paving materials.....	1919	584	4		48	16	17	51	454	
	1914	679	(2)	(2)	18	.....	59	44	558	
Pickles, preserves, and sauces.....	1919	1,046	20		.....	510	456	60	.....
	1914	350	(2)	(2)	7	.....	160	118	56	
Printing and publishing, book and job.....	1919	1,195	179		915	80	13	.....	8	
	1914	1,312	(2)	(2)	951	86	250	2	23	
Printing and publishing, newspapers and periodicals.....	1919	1,272	30	5	512	118	180	325	98	
	1914	1,303	(2)	(2)	773	57	303	47	112	11
Tobacco, chewing and smoking, and snuff.....	1919	2,406		36	23	105	174	1,958	110	
	1914	2,312	(2)	(2)	81	31	104	1,591	415	
Tobacco, cigars and cigarettes.....	1919	1,271	55	83	383	370	.....	252	172	
	1914	1,014	(2)	(2)	572	90	53	66	227	
Woolen and worsted goods.....	1919	565	3		2	10	247	300	3	
	1914	675	(2)	(2)	6	3	2	580	78	
All other industries.....	1919	15,270	1,086	91	2,457	4,231	1,077	3,141	1,678	909
	1914	14,068	(2)	(2)	2,753	1,420	3,100	2,208	4,204	819
Total for cities.....	1919	45,316	2,611	2,180	12,892	6,674	4,761	11,061	3,312	1,213
	1914	36,689	(2)	(2)	7,034	4,413	7,250	7,382	6,013	4,588
ASHLAND.....	1919	1,912	15		190	132	630	50	330	544
COVINGTON.....	1919	4,038	101	80	2,174	551	355	753	21	8
	1914	3,199	(2)	(2)	547	242	980	1,042	348	31
HENDERSON.....	1919	967			98	620	9	270	55	6
	1914	1,147	(2)	(2)	74	.....	210	608	221	25
LEXINGTON.....	1919	1,171	33		405	123	102	65	344	30
	1914	1,130	(2)	(2)	258	10	440	73	206	128
LOUISVILLE.....	1919	29,902	2,201	383	8,610	4,434	3,075	8,753	1,035	511
	1914	25,930	(2)	(2)	8,120	2,437	4,044	5,180	4,247	4,287
NEWPORT.....	1919	2,350	228	34	1,094	221	40	712	19	2
	1914	1,880	(2)	(2)	818	430	420	68	120	15
OWENSBORO.....	1919	1,380	3		12	260	183	514	347	61
	1914	1,001	(2)	(2)	43	211	184	132	303	68
PADUCAH.....	1919	3,506	80	1,602	309	433	301	520	255	47
	1914	2,402	(2)	(2)	108	1,005	387	270	478	34

¹ Includes 48 and under for 1914 and 1909.² Includes "iron and steel, welding"; "machine tools"; and "textile machinery and parts."

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TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING																		
	Establishments.	Wage earners (average number).	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.				
			Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Establish- ments.	Wage earners.				
All industries.....	3,957	69,340	498	2,353	5,270	600	6,682	235	7,668	128	9,120	106	16,267	19	6,357	12	7,362	6	10,614		
Agricultural implements.....	8	773	4	5	2	28	1	42	1	42	1	51	1	228	1	698	1	698	1	698	
Automobile repairing.....	190	614	7	161	372	18	150	4	92	2	75	1	73	3	471	1	630	1	630	1	630
Boots and shoes.....	7	630	—	—	—	1	11	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Boxes, paper and other, not elsewhere specified.....	6	764	—	2	7	—	—	2	76	1	51	—	—	—	—	—	—	—	—	—	—
Boxes, wooden packing, except cigar boxes.....	8	500	—	1	5	2	28	1	23	3	216	1	228	—	—	—	—	—	—	—	—
Bread and other bakery products.....	242	1,030	45	160	342	32	307	1	23	3	237	1	121	—	—	—	—	—	—	—	—
Brick and tile, terra-cotta, and fire-clay products.....	47	2,349	—	8	26	13	170	15	448	3	262	7	1,087	1	356	—	—	—	—	—	—
Carriage and wagon materials.....	19	521	4	6	15	2	27	5	147	—	—	2	332	4	615	—	—	1	572	1	572
Carriages and wagons, including repairs.....	52	1,456	4	33	66	8	69	—	—	2	134	4	615	—	—	—	—	—	—	—	—
Cars and general shop construction and repairs by steam-railroad companies.....	30	12,372	—	3	8	2	18	1	32	6	447	8	1,112	3	1,228	3	1,721	4	7,806	—	—
Clothing, men's.....	50	2,590	—	8	30	20	253	7	223	8	629	6	1,068	1	387	—	—	—	—	—	—
Coke, not including gas-house coke.....	4	508	—	—	—	—	—	1	25	2	149	1	394	—	—	—	—	—	—	—	—
Confectionery and ice cream.....	87	797	16	56	135	10	98	2	72	1	63	1	172	1	257	—	—	—	—	—	—
Cooperage.....	14	552	1	2	6	7	70	2	78	—	—	1	144	1	275	—	—	—	—	—	—
Cotton goods.....	6	967	1	—	—	—	—	2	69	—	—	1	156	2	742	—	—	—	—	—	—
Flour-mill and gristmill products.....	532	1,584	180	312	622	31	269	6	173	2	117	1	128	1	275	—	—	—	—	—	—
Foundry and machine-shop products.....	87	2,554	5	36	72	23	291	11	327	6	397	5	849	—	—	1	618	—	—	—	—
Furniture.....	29	1,381	2	3	8	3	49	11	331	6	401	4	502	—	—	—	—	—	—	—	—
Ice, manufactured.....	99	754	2	62	181	32	343	2	49	—	—	1	181	—	—	—	—	—	—	—	—
Iron and steel, steel works and rolling mills.....	5	1,892	—	—	—	—	—	—	—	—	—	2	426	1	260	2	1,206	—	—	—	—
Leather, tanned, curried, and finished.....	10	661	—	1	4	1	16	4	139	2	146	2	356	—	—	—	—	—	—	—	—
Liquors, malt.....	8	563	—	—	—	2	30	1	50	3	183	2	300	—	—	—	—	—	—	—	—
Lumber and timber products.....	931	7,716	10	764	1,600	94	950	27	890	16	1,108	11	1,556	1	260	2	1,346	—	—	—	—
Lumber, planing-mill products, not including planing mills connected with sawmills.....	106	1,784	6	53	152	25	275	14	480	5	333	3	524	—	—	—	—	—	—	—	—
Paving materials.....	38	584	—	12	37	17	209	7	212	2	126	—	—	—	—	—	—	—	—	—	—
Pickles, preserves, and sauces.....	18	1,010	5	3	7	2	22	3	118	1	60	2	254	2	585	—	—	—	—	—	—
Printing and publishing, book and job.....	108	1,195	24	46	106	28	500	5	130	2	136	3	323	—	—	—	—	—	—	—	—
Printing and publishing, newspapers and periodicals.....	252	1,272	49	170	421	21	198	9	282	1	53	2	318	—	—	—	—	—	—	—	—
Tobacco, chewing and smoking, and snuff.....	24	2,406	2	5	3	37	3	89	9	689	—	—	1	404	—	—	1	1,202	—	—	—
Tobacco, cigars and cigarettes.....	70	1,271	36	17	35	12	125	4	121	4	307	4	683	—	—	—	—	—	—	—	—
Woolen and worsted goods.....	10	565	6	8	1	10	—	—	—	—	—	3	547	—	—	—	—	—	—	—	—
All other industries.....	853	15,619	94	419	995	188	2,114	82	2,852	39	2,823	26	3,724	3	934	1	571	1	1,606	—	—
Total for cities.....	1,867	45,316	168	546	1,354	318	3,662	148	4,802	86	6,246	77	11,789	13	4,073	6	3,725	5	9,605	—	—
ASHLAND.....	43	1,912	2	18	42	10	138	4	115	—	—	8	1,357	1	260	—	—	—	—	—	—
COVINGTON.....	133	4,038	15	56	121	30	330	14	490	9	646	7	1,056	1	341	—	—	1	1,039	—	—
HENDERSON.....	31	967	5	13	39	5	61	3	81	2	151	2	300	1	335	—	—	—	—	—	—
LEXINGTON.....	170	1,171	16	106	258	37	384	7	211	3	208	1	110	—	—	—	—	—	—	—	—
LOUISVILLE.....	767	29,902	104	271	689	172	2,010	98	3,289	60	4,422	45	6,955	10	8,137	4	2,518	3	6,882	—	—
NEWPORT.....	81	2,350	17	25	60	25	292	6	150	3	222	3	419	2	1,207	—	—	—	—	—	—
OWENSBORO.....	64	1,380	5	28	72	18	190	5	183	3	180	5	755	—	—	—	—	—	—	—	—
PADUCAH.....	78	3,506	4	29	73	21	248	11	337	6	417	6	837	—	—	—	—	—	—	—	—

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	3,057	4,184	4,776	69,340	64,586	65,400	\$395,060,417	\$230,248,909	\$223,754,497	\$150,944,791	\$115,410,686	\$111,975,180
Less than \$5,000.....	1,196	1,947	2,290	1,149	3,986	4,857	13,070,563	4,314,154	5,170,841	1,831,236	2,787,930	3,387,013
\$5,000 to \$20,000.....	1,323	1,135	1,290	3,938	6,096	7,258	13,986,516	11,426,185	12,790,373	7,211,551	6,280,714	7,165,457
\$20,000 to \$100,000.....	912	710	781	9,077	12,091	13,810	41,839,465	31,552,920	35,218,448	18,247,170	13,907,291	15,769,584
\$100,000 to \$500,000.....	369	307	386	{ 17,507 } 30,452	{ 25,2 } 29,105	{ 38,2 } 30,105	82,066,128	72,560,578	72,766,390	{ 37,095,119 }	{ 24,800,347 }	55,822,459
\$500,000 to \$1,000,000.....	85	55	—	{ 9,356 }	—	—	59,419,099	37,766,390	108,403,915	{ 43,9 }	{ 36,621,292 }	56,024,930
\$1,000,000 and over.....	72	32	29	28,313	11,961	10,375	194,678,736	72,628,682	62,161,920	70,159,303	36,621,292	20,628,196
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	30.2	46.5	47.9	1.7	6.2	7.4	0.8	1.9	2.3	1.1	2.4	3.0
\$5,000 to \$20,000.....	33.4	27.1	27.0	5.7	9.4	11.1	3.5	5.0	5.7	4.5	5.4	6.4
\$20,000 to \$100,000.....	23.1	17.0	16.4	13.1	18.7	21.1	10.6	13.7	15.7	11.4	12.0	14.1
\$100,000 to \$500,000.....	9.3	7.3	8.1	{ 13.5 }	{ 47.1 }	{ 44.5 }	20.9	31.5	48.4	{ 15.5 }	23.6	50.0
\$500,000 to \$1,000,000.....	2.1	1.3	8.1	{ 10.8 }	18.5	15.9	49.2					

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TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1910	1914	1919	1914
BREAD AND OTHER BAKERY PRODUCTS.....	242	236	100.0	100.0	1,030	993	100.0	100.0	\$7,856,283	\$3,347,067	100.0	100.0	\$2,430,674	\$1,404,922	100.0	100.0
Less than \$5,000.....	52	110	21.5	46.6	26	79	2.5	8.0	161,533	295,472	2.1	8.8	64,489	135,600	2.7	9.7
\$5,000 to \$20,000.....	108	95	44.6	40.3	165	273	16.0	27.5	1,087,703	895,355	13.8	26.8	394,571	399,853	16.2	28.5
\$20,000 to \$100,000.....	71	25	29.3	10.6	367	267	35.6	26.9	2,881,061	881,451	36.7	26.3	898,648	301,709	37.0	27.9
\$100,000 to \$500,000.....	8	6	3.3	2.5	188	374	16.3	37.7	1,447,078	1,274,780	18.4	38.1	428,406	477,670	17.6	34.0
\$500,000 to \$1,000,000.....	3	—	1.2	—	304	—	29.5	—	2,277,408	—	29.0	—	644,500	—	26.5	—
BRICK AND TILE, TERRACOTTA, AND FIRE-CLAY PRODUCTS.....	47	69	100.0	100.0	2,349	2,234	100.0	100.0	5,686,473	2,202,068	100.0	100.0	3,682,420	1,472,004	100.0	100.0
Less than \$5,000.....	5	25	10.6	36.2	12	100	0.5	4.5	15,172	68,564	0.3	3.1	12,029	52,008	0.3	3.5
\$5,000 to \$20,000.....	10	19	21.3	27.5	104	245	4.4	11.0	151,202	205,823	2.7	9.3	113,045	159,600	3.1	10.8
\$20,000 to \$100,000.....	20	20	42.6	29.0	483	834	20.6	37.3	1,001,871	940,526	17.6	42.7	718,070	685,460	10.5	46.5
\$100,000 to \$500,000.....	9	5	19.1	7.2	1,029	1,055	43.8	47.2	2,530,363	987,755	44.5	44.8	1,571,419	376,587	42.7	30.1
\$500,000 to \$1,000,000.....	3	—	6.4	—	721	—	30.7	—	1,987,865	—	35.0	—	1,267,863	—	34.4	—
CARRIAGES AND WAGONS, INCLUDING REPAIRS.....	52	107	100.0	100.0	1,456	1,317	100.0	100.0	8,751,005	3,557,008	100.0	100.0	3,632,336	1,878,726	100.0	100.0
Less than \$5,000.....	17	50	32.7	46.7	17	72	1.2	5.5	53,602	118,093	0.6	3.3	34,805	76,976	1.0	4.9
\$5,000 to \$20,000.....	22	37	42.3	34.6	68	193	4.7	14.7	201,236	331,620	2.3	9.3	129,301	213,405	3.6	13.5
\$20,000 to \$100,000.....	5	12	9.6	11.2	38	182	2.6	13.8	144,958	401,040	1.7	13.0	76,806	106,515	2.1	12.4
\$100,000 to \$500,000.....	5	8	9.6	7.5	411	870	28.2	66.1	2,024,829	2,645,415	30.0	74.4	900,911	1,001,770	25.1	69.2
\$500,000 and over.....	3	—	5.8	—	922	—	63.3	—	5,720,443	—	65.4	—	2,481,453	—	68.3	—
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.....	30	23	100.0	100.0	12,372	8,485	100.0	100.0	30,597,962	13,344,242	100.0	100.0	18,640,714	6,085,347	100.0	100.0
Less than \$100,000.....	6	8	20.0	34.8	59	237	0.5	2.8	113,850	232,130	0.4	2.1	78,615	181,583	0.4	3.0
\$100,000 to \$500,000.....	13	15	43.3	65.2	1,403	8,248	11.3	97.2	3,063,894	13,062,103	10.0	97.9	2,221,610	5,003,764	11.0	97.0
\$500,000 to \$1,000,000.....	3	—	10.0	—	971	—	7.8	—	2,803,725	—	7.5	—	1,525,141	—	8.2	—
\$1,000,000 and over.....	8	—	26.7	—	9,039	—	80.3	—	25,116,493	—	82.1	—	14,818,348	—	70.6	—
CLOTHING, MEN'S.....	50	60	100.0	100.0	2,590	2,572	100.0	100.0	10,071,884	4,641,401	100.0	100.0	4,339,362	2,275,209	100.0	100.0
Less than \$20,000.....	20	43	40.0	71.7	227	501	8.8	19.5	220,231	228,153	2.2	4.9	200,303	100,110	4.8	8.8
\$20,000 to \$100,000.....	10	5	20.8	8.3	189	258	7.3	10.0	453,103	246,114	4.5	5.3	202,003	133,350	6.1	5.9
\$100,000 to \$500,000.....	13	12	26.0	20.0	733	1,813	28.3	70.5	3,537,730	2,4,167,224	35.1	80.8	1,248,593	2,1,042,800	28.8	85.4
\$500,000 and over.....	7	—	14.0	—	1,441	—	55.6	—	5,860,820	—	58.2	—	2,618,563	—	60.3	—
CONFECTIONERY AND ICE-CREAM.....	87	66	100.0	100.0	797	780	100.0	100.0	5,255,200	2,457,003	100.0	100.0	2,340,203	1,082,041	100.0	100.0
Less than \$5,000.....	19	27	21.8	40.9	7	18	0.9	2.3	44,005	50,060	0.8	2.3	24,581	29,573	1.1	2.7
\$5,000 to \$20,000.....	35	21	40.2	31.8	72	66	9.0	8.5	364,295	207,470	6.9	8.4	177,188	93,515	7.6	8.6
\$20,000 to \$100,000.....	28	13	32.2	19.7	176	148	22.1	19.0	1,331,184	436,224	25.3	17.7	471,586	212,077	20.2	19.6
\$100,000 and over.....	5	5	5.7	7.6	542	548	68.0	70.3	3,515,206	1,757,843	60.9	71.5	1,660,908	746,870	71.2	69.0
FLOUR-MILL AND GRISTMILL PRODUCTS.....	533	442	100.0	100.0	1,584	1,447	100.0	100.0	45,773,798	21,220,203	100.0	100.0	6,102,837	3,809,740	100.0	100.0
Less than \$5,000.....	143	88	26.8	19.5	25	48	1.6	3.3	392,687	261,078	0.9	1.2	70,507	50,333	1.1	1.6
\$5,000 to \$20,000.....	166	162	31.1	36.7	148	212	9.3	14.7	1,863,541	1,745,501	4.1	8.2	370,817	350,298	6.0	9.4
\$20,000 to \$100,000.....	169	162	31.7	36.7	407	556	25.7	35.4	8,642,973	6,627,374	18.7	31.2	1,348,012	1,351,112	21.8	35.5
\$100,000 to \$500,000.....	44	132	8.3	7.2	297	1,031	18.7	43.0	8,966,648	12,505,250	19.6	50.4	1,408,137	1,2,040,006	22.7	53.5
\$500,000 to \$1,000,000.....	6	—	1.1	—	175	—	11.0	—	4,383,289	—	9.6	—	385,603	—	11.1	—
\$1,000,000 and over.....	5	—	0.9	—	532	—	33.0	—	21,024,660	—	47.2	—	2,308,771	—	37.3	—
FOUNDRY AND MACHINE-SHOP PRODUCTS ^a	99	86	100.0	100.0	2,903	1,603	100.0	100.0	12,988,550	4,046,647	100.0	100.0	7,202,015	2,091,335	100.0	100.0
Less than \$5,000.....	21	24	21.2	27.9	13	41	0.4	2.6	56,080	68,235	0.4	1.7	41,239	44,809	0.0	2.1
\$5,000 to \$20,000.....	26	31	26.3	36.0	97	174	3.3	10.0	271,087	321,981	2.1	8.0	183,163	197,748	2.5	9.5
\$20,000 to \$100,000.....	27	22	27.3	25.6	420	436	14.5	27.2	1,467,474	970,217	11.3	24.0	846,850	558,580	11.8	20.7
\$100,000 to \$500,000.....	18	9	18.2	10.5	882	2,952	30.4	59.4	3,583,401	2,2,086,214	27.6	60.4	2,036,834	2,1,290,108	28.3	61.7
\$500,000 and over.....	7	—	7.1	—	1,491	—	51.4	—	7,008,717	—	58.6	—	4,004,539	—	50.8	—
FURNITURE.....	29	20	100.0	100.0	1,381	1,158	100.0	100.0	5,411,673	2,184,464	100.0	100.0	3,148,745	1,190,504	100.0	100.0
Less than \$20,000.....	4	7	13.8	24.1	8	54	0.6	4.7	21,503	45,853	0.4	2.1	13,045	23,251	0.4	1.9
\$20,000 to \$100,000.....	8	17	27.6	58.6	182	587	13.2	50.7	558,944	1,027,230	10.3	47.0	339,211	533,886	10.8	44.5
\$100,000 to \$1,000,000.....	17	5	58.6	17.2	1,191	517	86.2	44.6	4,830,226	1,111,381	89.3	50.9	2,700,489	642,307	88.8	53.6
LUMBER AND TIMBER PRODUCTS.....	931	1,177	100.0	100.0	7,716	10,684	100.0	100.0	23,283,636	13,850,755	100.0	100.0	13,482,655	7,736,455	100.0	100.0
Less than \$5,000.....	444	854	47.7	72.6	592	2,411	7.7	22.6	1,080,153	1,573,913	4.6	11.4	750,445	1,127,485	5.6	14.6
\$5,000 to \$20,000.....	335	229	38.0	19.5	1,104	1,915	14.3	17.9	3,513,080	2,139,476	15.1	15.4	1,841,415	1,401,646	13.7	18.1
\$20,000 to \$100,000.....	115	71	12.4	6.0	1,630	1,912	21.1	17.9	4,303,828	2,984,460	18.5	21.5	2,633,027	1,541,080	19.5	19.9
\$100,000 to \$500,000.....	32	19	3.1	1.6	2,516	4,446	32.6	41.6	7,700,470	3,880,328	34.2	28.1	4,815,782	3,060,238	35.7	47.4
\$500,000 and over.....	5	4	0.5	0.3	1,874	—	24.3	—	6,415,275	3,263,570	27.6	23.6	3,441,980	—	25.6	—
LUMBER, PLANNING-MILL PRODUCTS, NOT INCLUDING PLANNING MILLS CONNECTED WITH SAWMILLS.....	106	111	100.0	100.0	1,764	1,655	100.0	100.0	8,855,944	4,636,935	100.0	100.0	3,581,418	1,692,765	100.0	100.0
Less than \$5,000.....	18	33	17.0	29.7	24	56	1.4	3.4	51,570	100,796	0.6	2.4	26,442	60,453	0.7	4.1
\$5,000 to \$20,000.....	26	25	24.5	22.5	66	104	3.7	6.3	316,572	287,951	3.6	5.8	144,243	121,463	4.0	

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TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Continued.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.						
	1919		1914		Per cent distribution.		1919		1914		Per cent distribution.		1919		1914	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914
PRINTING AND PUBLISHING, BOOK AND JOB	108	124	100.0	100.0	1,195	1,312	100.0	100.0	\$4,421,926	\$2,687,309	100.0	100.0	\$2,920,052	\$1,810,152	100.0	100.0
Less than \$5,000	39	60	36.1	48.4	18	74	1.3	5.6	92,514	153,721	2.1	5.7	59,497	115,116	2.0	6.4
\$5,000 to \$20,000	33	39	30.6	31.5	127	222	10.6	16.9	320,928	323,897	7.5	14.7	218,852	255,247	7.5	14.3
\$20,000 to \$100,000	28	19	25.0	15.3	355	293	29.3	25.5	1,106,401	688,936	25.0	25.6	695,060	466,674	23.8	25.8
\$100,000 to \$1,000,000	8	6	7.4	4.8	702	681	58.7	51.9	2,862,983	1,450,755	65.4	54.0	1,946,043	970,115	66.7	53.6
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS	252	276	100.0	100.0	1,272	1,303	100.0	100.0	6,183,394	3,534,218	100.0	100.0	4,431,222	2,718,347	100.0	100.0
Less than \$5,000	112	170	44.4	61.6	142	274	11.2	21.0	329,757	407,007	5.3	11.5	251,711	329,276	5.7	12.1
\$5,000 to \$20,000	109	86	43.3	31.2	324	376	25.5	28.9	1,097,966	785,694	17.8	22.2	787,604	641,230	17.8	23.6
\$20,000 to \$100,000	21	15	8.3	5.4	258	189	20.3	14.5	969,716	761,072	15.7	21.5	738,838	566,617	16.6	20.8
\$100,000 and over	10	5	4.0	1.8	518	464	43.1	35.6	3,785,055	1,580,445	61.2	44.7	2,656,069	1,181,224	59.9	43.5
SADDLERY AND HARNESS	52	40	100.0	100.0	479	500	100.0	100.0	4,443,962	2,074,016	100.0	100.0	1,585,185	654,612	100.0	100.0
Less than \$5,000	15	15	28.8	37.5	10	13	2.1	2.6	45,509	34,384	1.0	1.7	29,032	19,567	1.8	3.0
\$5,000 to \$20,000	23	12	44.2	30.0	39	29	8.1	5.8	218,428	574,860	4.9	4.4	104,968	52,067	6.6	8.0
\$20,000 to \$100,000	4	8	7.7	20.0	28	183	5.8	36.6	221,245	50.0	27.7	68,935	152,629	4.3	23.3	
\$100,000 to \$500,000	7	5	13.5	12.5	181	275	37.8	55.0	1,533,781	1,374,274	34.5	66.3	548,752	430,349	34.6	65.7
\$500,000 and over	8	—	5.8	—	221	—	46.1	—	2,424,999	—	54.6	—	833,498	—	52.6	—
SLAUGHTERING AND MEAT PACKING	26	28	100.0	100.0	450	223	100.0	100.0	12,953,986	4,109,409	100.0	100.0	2,295,082	438,547	100.0	100.0
Less than \$20,000	14	4	14.3	—	39	2	8.7	0.9	833,001	38,399	6.4	0.9	8,430	—	1.9	—
\$20,000 to \$100,000	7	18	53.8	64.3	83	29	8.1	5.8	2,103,362	992,052	16.2	24.1	174,282	132,429	7.6	30.2
\$100,000 to \$500,000	5	16	26.9	21.4	328	159	18.4	71.3	10,017,623	1,3078,958	77.3	74.9	274,066	1,297,688	12.0	67.9
\$500,000 and over	—	—	19.2	—	—	—	—	—	—	—	—	—	1,845,834	—	80.4	—
TOBACCO, CHEWING AND SMOKING, AND SNUFF	24	38	100.0	100.0	2,406	2,312	100.0	100.0	20,547,825	14,785,239	100.0	100.0	9,239,337	7,674,839	100.0	100.0
Less than \$5,000	7	13	29.2	34.2	24	26	0.2	1.1	*15,839	36,794	0.1	0.2	*19,198	21,128	0.1	0.3
\$5,000 to \$20,000	7	7	18.4	18.4	35	35	1.5	—	51,307	57,804	0.3	—	34,089	—	0.4	—
\$20,000 to \$100,000	5	7	20.8	18.4	128	165	5.8	7.1	318,411	272,854	1.5	1.8	154,760	149,775	1.7	2.0
\$100,000 to \$500,000	5	11	20.8	29.0	243	2,086	10.1	90.2	1,430,946	*14,424,284	7.0	97.6	604,403	*7,460,847	6.5	97.3
\$500,000 and over	7	—	29.2	—	2,031	—	84.4	—	18,782,629	91.4	—	—	8,470,976	—	91.7	—
TOBACCO, CIGARS AND CIGARETTES	76	115	100.0	100.0	1,271	1,014	100.0	100.0	3,581,321	1,361,387	100.0	100.0	1,044,961	809,186	100.0	100.0
Less than \$5,000	42	84	65.3	73.0	13	59	1.0	5.8	87,302	139,802	2.4	10.3	49,186	89,239	2.5	11.0
\$5,000 to \$20,000	15	16	19.7	13.9	78	116	6.1	11.4	162,240	141,688	4.5	10.4	90,622	95,254	4.7	11.8
\$20,000 to \$100,000	9	12	11.8	10.4	130	403	10.2	39.7	401,301	573,478	11.2	42.1	233,790	327,428	12.0	40.5
\$100,000 to \$1,000,000	10	3	13.2	2.6	1,050	436	82.6	43.0	2,930,478	506,421	81.8	37.2	1,571,363	297,265	80.8	36.7

¹ Includes the group "\$100,000 to \$500,000." ² Includes the group "\$5,000 to \$20,000." ³ Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establishments	WAGE EARNERS.		VALUE OF PRODUCTS.		CITY AND VALUE OF PRODUCT.	Number of establishments	WAGE EARNERS.		VALUE OF PRODUCTS.		CITY AND VALUE OF PRODUCT.	Number of establishments	WAGE EARNERS.		VALUE OF PRODUCTS.							
		Average number.	Per cent of total.	Amount.	Per cent of total.			Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.						
ASHLAND	43	1,912	100.0	\$15,963,475	100.0	\$4,058,475	100.0	LOUISVILLE	767	29,902	100.0	\$204,565,727	100.0	\$78,466,310	100.0	PADUCAH	78	8,598	100.0	10,950,818	100.0	6,008,823	100.0
Less than \$5,000	4	3	0.2	10,371	0.1	5,648	0.1	Less than \$5,000	123	70	0.2	340,655	0.2	206,921	0.3	Less than \$5,000	17	5	0.2	34,934	0.2	18,218	0.2
\$5,000 to \$20,000	15	67	3.5	171,427	1.1	98,689	2.4	\$5,000 to \$20,000	177	438	1.5	1,881,817	0.9	1,116,058	1.4	\$5,000 to \$20,000	232	2,545	8.5	11,348,211	5.5	5,809,176	7.4
\$20,000 to \$100,000	9	222	11.6	474,662	3.0	312,490	7.7	\$20,000 to \$100,000	232	2,121	15.4	36,082,032	17.6	17,213,375	21.9	\$20,000 to \$100,000	157	7,517	25.1	1,430,946	4.1	1,277,872	16.2
\$100,000 to \$500,000	9	587	30.7	2,552,172	16.0	1,110,103	27.4	\$100,000 to \$500,000	157	4,135	18.8	125,434,140	61.3	41,442,908	52.8	\$100,000 to \$500,000	42	15,197	50.8	1,571,363	1	1,297,688	—
\$500,000 and over	6	1,033	54.0	12,754,843	79.9	2,538,265	62.4	\$1,000,000 and over	36	—	—	—	—	—	—	\$1,000,000 and over	—	—	—	—	—	—	—
COVINGTON	133	4,038	100.0	17,120,603	100.0	9,286,906	100.0	NEWPORT	81	2,850	100.0	16,035,349	100.0	7,005,181	100.0	OWENSBORO	64	1,380	100.0	8,634,737	100.0	3,940,916	100.0
Less than \$5,000	24	9	0.2	57,420	0.3	33,189	0.4	Less than \$5,000	17	5	0.2	34,934	0.2	18,218	0.2	\$5,000 to \$20,000	28	191	8.1	307,706	1.8	214,504	2.8
\$5,000 to \$20,000	39	126	3.1	384,561	2.2	221,475	2.4	\$5,000 to \$20,000	22	269	11.4	1,070,778	6.3	573,632	7.5	\$20,000 to \$100,000	10	478	20.1	1,290,031	14.7	1,325,301	17.4
\$20,000 to \$100,000	37	355	8.8	1,685,379	9.8	904,816	9.7	\$100,000 to \$500,000	4	1,412	60.1	76,914	76.9	5,473,526	72.0	\$100,000 to \$500,000	3,182,081	34.3	494,455	53.3	5,860,604	67.9	
\$100,000 to \$500,000	23	1,195	29.6	5,507,525	32.7	2,182,081	34.3	\$500,000 to \$1,000,000	8	894	64.8	5,860,604	67.9	2,686,551	68.2	\$500,000 to \$1,000,000	4,945,455	53.3	2,785,108	25.4	1,159,564	19.3	
\$500,000 and over	10	2,353	58.3	9,395,709	54.9	2,178,972	59.9	\$1,000,000 and over	4	426	11.8	—	—	—	—	\$1,000,000 and over	2,178,972	11.8	19,483	0.2	14,480	0.2	
HENDERSON	31	907	100.0	4,765,359	100.0	1,825,182	100.0	Less than \$5,000	12	10	0.7	32,296	0.4	15,978	0.4	\$5,000 to \$20,000	14	44	3.2	160,866	1.9	83,427	2.1
Less than \$5,000	8	3	0.3	16,907	0.4	7,559	0.4	\$5,000 to \$20,000	23	212	15.4	1,230,031	14.2</										

MANUFACTURES—KENTUCKY.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.								
					In establishments owned by—			Per cent of total.						Of establishments owned by—					
		Individ-uals.	Cor-porations.	All oth-ers.	Total.	Individ-uals.	Cor-porations.	All oth-ers.	Individ-uals.	Cor-porations.	All oth-ers.	Total.	Individ-uals.	Corpor-a-tions.	All others.	Individ-uals.	Cor-porations.	All oth-ers.	
All Industries.....	1919	1,890	1,150	917	69,340	5,547	58,897	4,896	8.0	84.9	7.1	\$395,060,417	\$20,994,727	\$338,046,978	\$30,018,712	6.8	85.6	7.6	
	1914	2,131	1,156	897	64,556	8,368	50,743	5,475	13.0	78.6	8.5	230,248,909	18,242,158	196,442,587	15,564,214	7.9	85.3	6.8	
	1909	2,521	1,147	1,108	65,400	10,244	48,590	6,506	15.7	74.3	10.0	223,754,407	25,835,192	178,650,245	19,260,060	11.5	79.8	8.6	
Bread and other bakery products.	1919	186	25	31	1,030	442	510	78	42.9	49.5	7.6	7,856,283	3,373,007	3,910,420	572,847	42.9	49.8	7.3	
	1914	202	10	24	993	601	336	56	60.5	33.8	5.6	3,347,067	1,362,406	1,302,505	182,150	55.6	38.9	5.4	
Brick and tile, terra-cotta, and fire-clay products.	1919	8	30	9	2,349	46	2,105	108	2.0	93.4	4.6	5,686,473	106,343	5,363,918	216,212	1.9	94.3	3.8	
	1914	13	42	14	2,234	97	2,051	86	4.3	91.8	3.8	78,450	2,032,964	91,254	3.6	92.3	4.1		
Carriages and wagons, including repairs.	1919	27	11	14	1,456	63	1,358	35	4.3	93.2	2.4	8,751,095	246,479	8,404,481	100,135	2.8	96.0	1.1	
	1914	65	19	23	1,317	216	1,006	95	16.4	76.4	7.2	3,557,968	388,446	2,055,661	216,861	10.8	83.1	6.1	
Cars and general shop construction and repairs by steam-railroad companies.	1919	30	.....	.....	12,372	.....	12,372	.....	.....	100.0	.....	30,597,962	.....	30,597,962	.....	.....	100.0	.....
	1914	1	22	.....	8,485	.....	8,485	.....	.....	100.0	.....	13,344,242	.....	13,344,242	.....	.....	100.0	.....
Clothing, men's.....	1919	19	22	9	2,590	224	1,976	390	8.6	76.3	15.1	10,071,884	258,601	8,105,776	1,707,417	2.6	80.5	10.9	
	1914	34	17	9	2,572	493	1,888	211	19.2	72.6	8.2	4,641,401	222,098	4,006,242	354,151	4.8	87.0	7.6	
Confectionery and ice cream.	1919	49	19	10	797	88	400	300	11.0	50.2	38.8	5,255,290	546,470	3,106,704	1,602,116	10.4	59.1	30.5	
	1914	41	12	13	780	93	426	262	11.9	54.5	33.6	3,457,003	340,300	1,471,103	640,110	59.9	59.9	26.3	
Flour-mill and gristmill products.	1919	264	69	200	1,584	251	915	418	15.8	57.8	26.4	45,773,798	4,572,952	30,308,782	10,892,004	10.0	66.2	23.8	
	1914	177	87	178	1,447	262	770	415	18.1	53.2	28.7	21,229,203	2,576,957	13,332,434	5,320,812	12.1	62.8	25.1	
Foundry and machine-shop products. ³	1919	28	50	21	2,903	171	2,631	101	5.9	90.6	3.5	12,988,559	707,381	11,053,659	327,510	5.4	92.0	2.5	
	1914	24	49	13	1,603	95	1,400	108	5.0	87.3	6.7	4,040,647	170,541	3,006,102	270,004	4.2	89.1	6.7	
Furniture.....	1919	2	23	4	1,381	1,272	1,272	100	.....	92.1	7.9	5,411,073	4,892,450	1,519,223	.....	.....	90.4	9.8
	1914	6	19	4	1,158	93	862	203	8.0	74.4	17.5	2,184,404	122,076	1,000,580	62,800	6.0	91.5	2.9	
Iron and steel, steel works and rolling mills.	1919	5	.....	.....	1,892	.....	1,892	.....	.....	100.0	.....	18,318,690	.....	18,318,690	.....	.....	100.0	.....
	1914	6	.....	.....	1,987	.....	1,987	.....	.....	100.0	.....	9,077,908	9,077,908	9,077,908	.....	.....	100.0	.....
Lumber and timber products.	1919	581	94	256	7,716	1,746	4,071	1,299	22.6	60.5	16.8	23,283,036	5,146,478	14,810,008	3,327,150	22.1	63.6	14.3	
	1914	791	77	309	10,684	3,419	5,434	1,831	32.0	50.9	17.1	13,850,755	3,278,011	8,583,543	1,980,201	23.7	62.0	14.4	
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919	32	53	21	1,764	132	1,523	109	7.5	86.3	0.2	8,855,944	582,613	7,884,500	588,831	0.6	86.8	0.6	
	1914	34	49	28	1,655	215	1,186	264	13.0	71.7	15.3	4,036,935	447,634	3,615,288	574,015	9.7	78.0	12.4	
Pickles, preserves, and sauces.	1919	6	12	.....	1,040	1	1,045	.....	0.1	99.9	.....	8,223,431	15,190	8,208,241	.....	0.2	99.8	.....
	1914	2	7	.....	350	.....	350	.....	.....	100.0	.....	2,027,152	1,207,152	1,207,152	.....	.....	100.0	.....
Printing and publishing, book and job.	1919	55	39	14	1,195	87	1,040	68	7.3	87.0	5.7	4,421,926	336,908	3,910,400	174,558	7.6	88.4	3.0	
	1914	63	50	11	1,312	117	1,140	55	8.0	86.9	4.2	2,087,300	220,592	2,342,377	118,340	8.4	87.2	4.4	
Printing and publishing, newspapers and periodicals.	1919	127	68	57	1,272	306	857	109	24.1	67.4	8.6	6,183,394	885,709	4,918,005	420,560	13.5	79.5	0.0	
	1914	150	73	48	1,303	365	847	91	28.0	65.0	7.0	3,534,218	572,877	2,762,334	160,007	16.2	78.2	5.6	
Saddlery and harness.....	1919	36	8	8	479	68	318	93	14.2	66.4	10.4	4,443,902	542,330	2,728,987	1,172,046	12.2	61.4	20.4	
	1914	22	10	8	500	47	348	105	9.4	69.6	21.0	2,074,010	140,160	1,215,022	718,225	6.8	58.6	34.6	
Slaughtering and meat packing.	1919	11	8	7	450	32	381	37	7.1	84.7	8.2	12,053,980	1,100,748	10,886,840	900,301	0.0	84.0	7.0	
	1914	16	5	7	223	39	149	35	17.5	66.8	15.7	4,109,400	1,070,020	2,642,088	498,305	20.0	61.0	12.1	
Tobacco, chewing and smoking, and snuff.	1919	8	14	2	2,406	124	2,282	104	5.2	94.8	4.0	20,547,825	743,614	19,804,211	200,300	3.6	90.4	1.8	
	1914	13	17	8	2,312	125	2,083	104	5.4	90.1	4.5	14,785,230	350,450	14,168,387	2,400,300	2.4	95.8	1.8	
Tobacco, cigars and cigarettes.	1919	49	13	14	1,271	55	1,021	195	4.3	80.3	15.3	3,581,321	100,904	2,850,100	525,248	5.5	70.8	14.7	
	1914	87	13	15	1,014	237	882	95	23.4	67.3	9.4	1,301,387	394,208	821,748	145,431	20.0	60.4	10.7	
Total for cities.....	1919	496	671	200	45,316	2,097	41,076	2,143	4.6	90.6	4.7	287,506,563	11,556,217	204,381,020	11,509,317	4.0	92.0	4.0	
	1914	532	612	186	30,689	2,701	31,047	2,281	7.5	86.2	6.2	130,845,235	7,973,634	122,014,637	5,057,064	5.8	89.8	4.4	
ASHLAND.....	1919	14	25	4	1,912	63	1,820	29	3.3	95.2	1.5	15,063,475	210,772	15,708,228	44,475	1.3	98.4	0.3	
COVINGTON.....	1919	61	50	22	4,038	311	3,354	373	7.7	83.1	9.2	17,120,603	1,724,840	13,430,683	1,905,080	10.1	78.4	11.5	
HENDERSON.....	1919	89	48	24	3,199	388	2,617	196	12.1	81.8	6.1	8,265,496	1,296,700	6,480,391	470,306	15.7	78.5	5.8	
LEXINGTON.....	1919	14	13	4	907	28	909	30	2.9	94.0	3.1	4,705,350	291,804	4,342,577	130,978	6.1	91.1	2.7	
	1914	11	21	10	1,147	89	1,067	41	3.4	93.0	3.6	2,973,457	188,408	1,081,402	103,527	0.3	90.2	3.5	
LOUISVILLE.....	1919	67	64	39	1,171	237	831	103	20.2	71.0	8.8	8,570,495	1,443,229	6,270,145	851,121	16.8	73.2	9.0	
	1914	44	44	24	1,130	150	820	100	13.3	72.6	14.2	3,530,677	440,816	2,597,217	402,044	12.5	73.0	14.0	
NEWPORT.....	1919	47	22	12	2,350	238	1,977	135	10.1	84.1	5.7	10,035,349	821,306	15,620,280	484,763	4.8	92.3	2.9	
	1914	67	21	12	1,830	547	1,268	65	20.1	87.4	3.5	8,305,600	705,848	8,305,600	7,497,204	102,557	8.5	90.3	1.2
OWENSBORO.....	1919	9	42	13	1,380	60	1,216	94	4.3	88.8	6.8	8,634,737	430,801	6,797,507	1,400,420	5.0	78.7	10.3	
	1914	9	36	17	1,001	44	851	106	4.4	85.0	10.6	4,050,142	80,102	3,328,000	647,044	2.0	82.0	10.0	
PADUCAH.....	1919	21	37	20	3,596	85	3,338	173	2.4	92.8	4.8	10,950,818	704,695	9,172,540	1,073,577	6.4			

MANUFACTURES—KENTUCKY.

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TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Cen-	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.						THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.			
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		
Number of places.....	1919		8	-----	4	-----	3	-----	1	-----		
1914	-----		7	-----	3	-----	3	-----	1	-----		
1909	-----		8	-----	4	-----	3	-----	1	-----		
Population ¹	1920	2,410,630	431,920	17.9	69,057	2.9	127,972	5.3	234,891	9.7	1,984,710	82.1
1915	2,350,731	414,681	17.6	-----	53,335	2.3	126,232	5.4	235,114	10.0	1,936,050	82.4
1910	2,289,905	403,294	17.6	-----	60,088	2.7	118,678	5.2	223,928	9.8	1,886,611	82.4
Number of establishments.....	1919	8,957	1,367	34.5	216	5.5	334	9.7	767	19.4	2,590	65.5
1914	4,184	1,330	31.8	-----	179	4.3	373	8.9	778	18.6	2,864	68.2
1909	4,776	1,563	32.7	-----	235	4.9	425	8.9	903	18.9	3,213	67.3
Average number of wage earners.....	1919	69,340	45,316	65.4	7,855	11.3	7,559	10.9	29,902	43.1	24,024	34.6
1914	64,588	36,089	56.8	-----	4,550	7.0	6,209	9.6	25,930	40.1	27,897	43.2
1909	65,400	39,797	60.8	-----	5,459	8.3	7,315	11.2	27,023	41.3	25,603	39.1
Value of products.....	1919	\$395,060,417	\$287,506,563	72.7	\$40,314,389	10.2	\$42,026,447	10.8	\$204,565,727	51.7	\$108,153,854	27.3
1914	230,248,900	136,845,235	59.4	-----	11,520,782	5.0	20,101,782	8.7	105,222,671	45.7	93,403,674	40.6
1909	223,754,497	136,498,579	61.0	-----	17,161,274	7.7	18,058,650	8.1	101,283,955	45.3	87,255,618	39.0
Value added by manufacture.....	1919	159,944,791	114,832,011	71.8	15,833,396	9.9	20,532,305	12.8	78,466,310	49.1	45,112,780	28.2
1914	115,419,688	64,474,970	55.9	-----	5,180,373	4.5	9,670,738	8.4	49,623,859	43.0	50,944,716	44.1
1909	111,978,180	64,161,389	57.3	-----	8,037,165	7.2	8,967,798	8.0	47,156,376	42.1	47,813,841	42.7

¹ Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND INDUSTRY.				VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase ¹ over 1914.		Amount, 1919.	Per cent of total for the state.	Increase ¹ over 1914.		Amount. (²)	Per cent. (²)	Increase ¹ over 1914.	
			Amount.	Per cent.			Amount.	Per cent.				
COVINGTON.												
Foundry and machine-shop products.....	\$1,650,359	14.2	\$1,300,062	371.1	Printing and publishing, book and job....	\$3,829,147	86.6	\$1,532,285	66.7			
Bread and other bakery products.....	401,103	5.1	259,294	182.8	Printing and publishing, newspapers and periodicals.....	3,590,056	58.1	1,641,461	84.2			
Lumber, planing-mill products, not including planing mills connected with sawmills.....	312,526	8.5	78,212	33.4	Lumber, planing-mill products, not including planing mills connected with sawmills.....	3,407,056	38.5	2,333,234	217.1			
Automobiles.....					Carriages and wagons, including repairs.....	3,224,837	36.9	2,329,207	260.1			
Brick and tile, terra-cotta, and fire-clay products.....					Saddlery and harness.....	3,127,547	70.4	1,721,768	122.5			
Cars and general shop construction and repairs by steam-railroad companies.....					Furniture.....	3,034,140	56.1	1,707,325	128.7			
Clothing, men's.....					Liquors, malt.....	2,407,440	44.4	8,335	0.3			
Copper, tin, and sheet-iron work.....					Coffee, roasting and grinding.....	2,173,866	80.7	819,851	60.5			
Cordage and twine.....					Tobacco, cigars and cigarettes.....	1,983,749	55.4	933,611	88.9			
Electric machinery, apparatus, and supplies.....					Butter.....	1,864,769	51.0	(2)				
Hardware.....					Patent medicines and compounds.....	1,778,432	80.5	174,567	10.9			
Liquors, malt.....					Cooperative.....	1,472,870	53.0	-371,136	-20.1			
Machin tools.....					Stoves and ranges.....	1,407,938	100.0	(2)				
Pickles, preserves, and sauces.....					Boxes, wooden packing, except cigar boxes.....	1,358,008	80.1	(2)				
Slaughtering and meat packing.....					Agricultural implements.....							
Structural ironwork, not made in steel works or rolling mills.....					Automobiles.....							
Tobacco, chewing.....					Boxes, paper, and other, not elsewhere specified.....							
LOUISVILLE—Continued.					Cotton goods.....							
Tobacco, chewing and smoking, and snuff.....	17,619,802	85.8	(2)	-----	Flour-mill and gristmill products.....							
Cars and general shop construction and repairs by steam-railroad companies.....	13,768,341	45.0	5,976,345	76.7	Leather, tanned, curried, and finished.....							
Slaughtering and meat packing.....	9,958,803	76.9	6,878,024	223.3	Musical instruments, pianos.....							
Pickles, preserves, and sauces.....	6,634,310	80.7	(2)	-----	Oil and cake, cottonseed.....							
Foundry and machine-shop products ^b	6,415,209	53.6	3,640,229	131.2	Oil, not elsewhere specified.....							
Clothing, men's.....	4,802,951	48.3	1,870,077	62.5	Paints.....							
Bread and other bakery products.....	4,349,930	55.4	2,319,535	114.2	Petroleum, refining.....							
Confectionery and ice cream.....	4,214,930	80.2	2,113,573	100.6	Plumbers' supplies, not elsewhere specified.....							
Lumber and timber products.....	3,864,528	16.6	2,054,897	113.6	Tin foil.....							

¹ A minus sign (−) denotes decrease.² Figures can not be shown without disclosing individual operations.^b Includes "iron and steel, welding" and "textile machinery and parts."

MANUFACTURES—KENTUCKY.

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	9,162	6,912	5,790	247,573	238,314	230,224	100.0	100.0	100.0
Owned.....	2,975	3,815	4,341	189,591	217,420	218,607	76.6	91.2	95.0
Steam ¹	2,119	3,155	3,647	176,210	206,871	207,591	70.8	80.8	90.2
Engines.....	2,061	(2)	(2)	159,547	(2)	(2)	64.4	-----	-----
Turbines.....	58	(2)	(2)	15,663	(2)	(2)	6.3	-----	-----
Internal-combustion engines.....	723	531	515	10,023	6,581	5,639	4.3	2.8	2.4
Water.....	123	129	179	3,758	3,968	5,377	1.5	1.7	2.3
Water wheels and turbines.....	113	119	100	3,609	3,941	5,320	1.5	1.7	2.3
Water motors.....	10	10	19	149	27	57	0.1	(a)	(a)
Rented.....	6,187	3,097	1,449	57,982	20,804	11,617	23.4	8.8	5.0
Electric.....	6,187	3,097	1,449	56,808	20,382	11,314	22.9	8.6	4.9
Other.....	-----	-----	1,174	512	303	0.5	0.2	0.1	-----
Electric.....	8,616	5,101	2,795	94,380	49,168	31,268	100.0	100.0	100.0
Rented.....	6,187	3,097	1,449	56,808	20,382	11,314	60.2	41.5	30.2
Generated by establishments reporting.....	2,429	2,004	1,346	37,572	28,786	19,954	39.8	58.5	38.8

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.² Figures not available.³ Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (3,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1919.....	1,596	2,200,681	252,519	82,284	12,916
	1914.....	2,670	2,073,415	190,285	60,455	(1)
	Per cent of increase ²	-40.2	6.1	32.7	57.5	(1)
Bread and other bakery products.....		41	4,274	2,741	10	245
Brick and tile, terra-cotta, and fire-clay products.....			234,710	416	300	670
Carriages and wagons, including repairs.....			17,423	8	1,197	307
Cars and general shop construction and repairs by steam-railroad companies.....	87	141,929	3,487	23,022	27	60,001
Cement.....		59,622				
Coke, not including gas-house coke.....		876,773				
Confectionery and ice cream.....		8,197	28	10	85	15,269
Cotton goods.....		14,041			1	
Flour-mill and gristmill products.....	617	73,958		7,000	6,738	18,110
Foundry and machine-shop products.....		20,602	7,047	6,614	39	13,610
Furniture.....		10,928		96	15	300
Gas, illuminating and heating.....		15,543	1,110	5,034		
Ice, manufactured.....		119,700			196	119
Iron and steel, blast furnaces.....		35,512	215,752			241,604
Iron and steel, steel works and rolling mills.....		148,837	7,700			79,018
Leather, tanned, curried, and finished.....		30,812				1,860,827
Liquors, malt.....	98	30,224	90	43	701	1,678
Lumber and timber products.....		34,070		40	231	
Lumber, planing-mill products, not including planing mills connected with sawmills.....						
Marble and stone work.....	52	9,660		367	281	3,933
Oil, not elsewhere specified.....	7	6,491	10	16	415	1,574
Patent medicines and compounds.....		17,877				
Paving materials.....		12,210				820
Petroleum, refining.....		12,100		6	11	855
Pickles, preserves, and sauces.....		67,498		24,878		
Plumbers' supplies, not elsewhere specified.....		15,015	69		106	160
Slaughtering and meat packing.....		28,808	7,019	0,027	800	2,341
Tobacco, chewing and smoking, and snuff.....		15,627				176
Woolen and worsted goods.....		24,579			2	
All other industries.....	394	8,070		20	2	
		96,853	6,952	3,693	2,001	904,533
Total for cities.....		111	776,945	177,203	65,300	2,808
ASHLAND.....		12	44,810	149,714		185
COVINGTON.....			45,754	2,225	60	135
HENDERSON.....			26,806	382	1	63
LEXINGTON.....		1	12,547	12		40
LOUISVILLE.....			441,220	20,958	50,853	1,587
NEWPORT.....	98	137,807	1,933	6	703	83,769
OWENSBORO.....		28,633	697	1,190	5	63,080
PADUCAH.....			39,368	1,282	7,277	2,470
					90	1,038

Included in figures for fuel oils.

² A minus sign (—) denotes decrease.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for seven of these industries in Kentucky are here presented.

Flour-mill and gristmill products (Table 19).—This table shows the kind, quantity, and value of the various products of these mills during 1919, 1914, and 1909.

Large increases are shown in the value of the several products, which do not harmonize, however, with the corresponding increases in quantities.

The total value of products for the industry from 1914 to 1919 increased \$24,544,595, or 115.6 per cent. Wheat flour was the principal product, forming 66.2 per cent of the total value of products in 1919 and 65.4 per cent in 1914. Although there was an increase of \$16,437,060, or 118.4 per cent, in value during the five-year period, the quantity decreased 38,673 barrels, or 1.4 per cent. Similar conditions are found for bran and middlings and feed and offal, increases of 82.9 per cent and 111.1 per cent in value while in quantity there was a decrease of 16.5 per cent and an increase of four-tenths of 1 per cent, respectively.

TABLE 19.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$45,773,798	\$21,229,203	\$22,304,950
Wheat flour:			
Barrels.....	2,689,791	2,728,404	2,832,288
Value.....	\$30,317,827	\$13,880,767	\$15,921,025
Rye flour:			
Barrels.....	809	373	906
Value.....	\$6,738	\$1,985	\$4,232
Corn meal and corn flour:			
Barrels.....	826,775	774,922	984,217
Value.....	\$6,467,901	\$2,645,405	\$3,071,856
Hominy and grits:			
Pounds.....	18,397,250	14,535,650	7,103,217
Value.....	\$500,036	\$238,043	\$127,103
Bran and middlings:			
Tons.....	96,433	115,442	
Value.....	\$1,837,504	\$2,044,313	
Feed and offal:			
Tons.....	58,300	58,152	144,004
Value.....	\$3,454,981	\$1,636,749	\$3,220,835
All other cereal products, value.....	\$86,496	\$8,927	\$842
All other products, value.....	\$111,716	\$172,981	\$18,987

Lumber and timber products (Table 20).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. For many years Kentucky has been one of the chief producers of hardwood lumber, and in 1919 ranked sixth among the states in the production from these woods.

The total cut in 1919 decreased 14.1 per cent compared with that of 1914, and 40.5 per cent compared with that for 1909. The largest cut from all species for the state was 912,908,000 feet in 1907.

The lumber cut from the principal species in 1919 was reported as follows: Oak, 282,963,000 feet, or 55.3 per cent of the total cut from all species in the state; yellow poplar, 50,462,000 feet, or 9.9 per cent; beech,

37,459,000 feet, or 7.3 per cent; gum, 31,692,000 feet, or 6.2 per cent; and chestnut, 24,850,000 feet, or 4.9 per cent. Among other woods sawed into lumber in considerable quantities were hickory, yellow pine, hemlock, mahogany, and maple.

TABLE 20.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. ¹			
	1919	1914	1909	
Lumber.....	M feet b. m..	512,078	506,392	880,712
	thousands.....	3,258	(²)	19,776
Shingles.....	thousands.....	2,562	(³)	55,010

¹ The output of custom mills is included in 1919 and 1909, but not in 1914.

² Not reported.

Blast furnaces.—This industry in 1919 was represented by four establishments with a product of 163,708 tons of pig iron valued at \$4,384,076. Of this essentially 58 per cent was of basic and Bessemer grades for steel making, and 42 per cent was foundry iron.

Steel works and rolling mills (Table 21).—The output of the steel works and rolling mills for the census years 1919, 1914, and 1909 is summarized in Table 21. The large increase in value of products for 1919 as compared with 1914, 101.8 per cent, though in part due to an increase in production tonnage of 36 per cent, is chiefly due to higher values, the average ton value of all rolled, forged, and other classified iron and steel products being \$65 in 1919 as compared with \$31 in 1914 and \$33 in 1909. The leading rolled products were blooms, billets, and slabs, for further rolling and forging (semi-finished steel constituting over 60 per cent of the tonnage) and sheets and rods.

TABLE 21.—STEEL WORKS AND ROLLING MILLS: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value.....	\$18,318,600	\$9,077,908	\$7,779,320
Rolled, forged, and other classified iron and steel products:			
Tons (2,240 pounds).....	261,170	191,499	216,311
Value.....	\$16,866,019	\$5,872,751	\$7,119,158
All other products, including value added to iron and steel rolling-mill products, by further manufacture.....	\$1,452,671	\$3,205,157	\$680,162

Slaughtering and meat packing (Table 22).—This table presents data for the slaughtering and meat-packing industry for 1919, 1914, and 1909, for the most important materials and products.

The actual production growth of the industry, which is shown by the increase in the number of animals slaughtered, was 126,344, or 74.9 per cent, from 1914 to 1919, each class of animals slaughtered showing an increase.

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The increase in the total cost of materials was \$6,988,042, or 190.4 per cent, and in value of products \$8,844,577, or 215.2 per cent.

The cost of "All other materials" includes that for poultry, goats and kids, dressed meat purchased for curing, curing materials, seasoning, fuel, rent of power, containers, materials for making ice, mill supplies, refrigeration, and freight.

The value of "All other products" includes that for meat puddings, headcheese, etc.; hoofs, horns, horntips, strips, and waste, fertilizer materials, goat and kid skins, cattle hair, and ice. The value of dressed poultry and goat and kid meat is included with that for "Edible offal and other fresh meat."

TABLE 22.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$10,658,904	\$3,670,862	\$5,745,858
Animals slaughtered, cost.....	\$9,672,501	\$3,387,481	\$5,284,373
Beefs:			
Number.....	45,941	24,398	39,453
Cost.....	\$2,736,023	\$1,322,910	\$1,506,219
Calves:			
Number.....	40,940	14,058	18,032
Cost.....	\$673,748	\$144,381	\$164,672
Sheep and lambs:			
Number.....	32,106	12,822	12,956
Cost.....	\$218,925	\$56,557	\$49,276
Hogs:			
Number.....	176,199	117,564	236,428
Cost.....	\$6,043,805	\$1,803,033	\$3,564,208
All other materials, cost.....	\$986,403	\$283,381	\$461,485
PRODUCTS.			
Total value.....	\$12,953,986	\$4,109,409	\$6,568,077
Fresh meat, value.....	\$10,622,904	\$2,727,090	\$2,520,892
Beef:			
Pounds.....	17,498,698	10,731,376	17,090,098
Value.....	\$2,609,557	\$1,220,488	\$1,453,210
Veal:			
Pounds.....	2,712,872	998,917	1,339,303
Value.....	\$610,347	\$133,478	\$149,944
Mutton and lamb:			
Pounds.....	824,705	426,316	404,445
Value.....	\$177,485	\$56,647	\$40,876
Pork:			
Pounds.....	21,446,801	10,467,403	5,771,593
Value.....	\$6,968,552	\$1,275,749	\$642,951
Edible offal and other fresh meat:			
Pounds.....	2,520,984	446,025	2,705,550
Value.....	\$256,963	\$31,737	\$238,911
Pork, pickled and other cured:			
Pounds.....	1,333,229	4,067,051	17,276,390
Value.....	\$124,461	\$560,033	\$2,284,481
Sausage:			
Pounds.....	2,392,750	1,497,101	3,194,030
Value.....	\$521,532	\$178,159	\$331,094
Lard:			
Pounds.....	828,518	2,274,595	7,870,530
Value.....	\$230,703	\$232,986	\$988,763
Tallow:			
Pounds.....	225,988	397,507	1,398,330
Value.....	\$31,479	\$19,240	\$75,200
Grease and soap stock:			
Pounds.....	204,692	452,580	(1)
Value.....	\$18,479	\$24,729	(1)
Hides and pelts:			
Cattle:			
Number.....	45,941	24,398	
Pounds.....	2,269,906	1,385,229	
Value.....	\$619,338	\$196,575	57,260
Calf:			
Number.....	20,646	13,658	2,506,385
Pounds.....	305,540	153,400	\$281,390
Value.....	\$130,952	\$23,669	
Sheep:			
Number.....	6,307	12,822	12,052
Value.....	\$13,571	\$7,526	\$9,085
All other products, value.....	\$325,667	\$181,403	\$97,172

¹ Not reported separately.

Printing and publishing (Table 23).—The number and aggregate circulation per issue of all newspapers and periodicals reported in Kentucky for the census years 1919, 1914, and 1909 are presented in Table 23.

The decrease in total number of publications and in aggregate circulation is due principally to the discontinuance of a large number of weekly news and religious papers, the reduction in circulation of one English and German monthly religious publication and of other religious and reform papers, and to the disappearance of a number of agricultural monthly and semimonthly publications.

The increase in the circulation of daily newspapers was slight for the five-year period from 1914 to 1919, but amounted to 89,671, or 39.6 per cent, for the decade. Of the 32 dailies, 20 were published in the afternoon. Their circulation, 170,191, was 53.9 per cent of the total daily circulation. The morning circulation increased 16,809, or 13 per cent, from 1914 to 1919.

The Sunday newspaper circulation increased 81,150, or 92 per cent, during the five-year period from 1914 to 1919.

Of all the publications, only four, with a circulation of 32,672, were either wholly or partly printed in a foreign language—German. There were one daily, one Sunday, and one weekly in German, and one monthly in English and German.

TABLE 23.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	273	326	330	1,236,937	1,250,043	1,104,245
Daily.....	32	33	35	315,851	311,019	220,180
Sunday.....	11	9	12	109,390	88,246	115,855
Semimonthly ¹	17	25	27	37,810	58,584	61,248
Weekly.....	185	221	226	346,491	348,342	481,067
Monthly.....	20	28	28	94,695	159,220	130,095
All other classes ²	8	10	11	272,604	284,023	172,010

¹ Includes in 1919, 1 triweekly; in 1914, 4; and in 1909, 2 triweeklies.

² Includes in 1919, 3 quarterlies, 4 semimonthlies, and 1 bimonthly; in 1914, 2 quarterlies and 8 semimonthlies; and in 1909, 8 semimonthlies, 2 quarterlies, and 1 "all other."

Leather, tanned, curried, and finished (Table 24).—This table shows the quantity and value of products of this industry in 1919, 1914, and 1909.

TABLE 24.—LEATHER, TANNED, CURRIED, AND FINISHED: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value.....	\$8,747,872	\$4,108,575	\$4,240,795
Oak sole leather:			
Sides.....	441,534	300,840	404,382
Value.....	\$6,494,114	\$2,008,439	\$2,712,009
All other leather, value.....	913,024	933,523	1,200,423
All other products, value.....	128,376	58,720	70,569
Work on materials for others, value.....	1,212,358	507,803	248,734

The total value of products decreased 1 per cent during the period 1909 to 1914, but increased 108.4 per cent during the following five years. This large gain

was due partly to a larger production, but mainly to the increased cost of hides, tanning materials, and labor in 1919. Oak sole leather was the principal product, and other leather produced in lesser quantities was oak harness, chrome sole, chrome belting, and offal. Contract work on materials for others increased by \$963,624, or 387.4 per cent, during the ten-year period 1909–1919.

Laundries (Table 25).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 25, however, summarizes the statistics for such laundries in the state of Kentucky for 1919 and 1914.

TABLE 25.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, 1914– 1919.
	1919	1914	
Number of establishments.....	63	75	—24.2
Persons engaged.....	2,591	2,080	—24.2
Proprietors and firm members.....	53	54	—2.2
Salaried employees.....	244	150	62.5
Wage earners (average number).....	2,294	1,873	22.5
Primary horsepower.....	6,702	2,655	154.7
Capital.....	\$1,688,280	\$1,116,887	51.2
Salaries and wages.....	1,419,503	844,170	68.2
Salaries.....	236,126	145,637	62.1
Wages.....	1,183,377	698,533	69.4
Paid for contract work.....	391	326	112.0
Rent and taxes.....	51,372	62,593	—17.9
Cost of materials.....	789,000	300,532	162.5
Amount received for work done.....	2,906,346	1,665,979	74.4

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 26).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table.

TABLE 26.—DYEING AND CLEANING: 1919.

	Number or amount.	
Number of establishments.....	41	
Persons engaged.....	360	
Proprietors and firm members.....	40	
Salaried employees.....	61	
Wage earners (average number).....	259	
Primary horsepower.....	347	
Capital.....	\$343,880	
Salaries and wages.....	269,870	
Salaries.....	77,180	
Wages.....	192,690	
Paid for contract work.....	829	
Rent and taxes.....	54,092	
Cost of materials.....	152,731	
Amount received for work done.....	720,341	

Statistics for dyeing and cleaning establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from hand trades, household industries, etc.

Custom gristmills and custom sawmills (Tables 27 and 28).—Statistics for custom gristmills and custom sawmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 27 and 28 summarize the statistics for such mills for 1919 and 1909. The value of products for custom gristmills represents the selling value of the grain milled, and for the sawmills the amount charged for the work performed.

TABLE 27.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, 1909– 1919.
	1919	1909	
Number of establishments.....	783	822	—4.7
Persons engaged.....	981	1,409	—30.4
Proprietors and firm members.....	938	1,038	—9.6
Salaried employees.....	2	2	—
Wage earners (average number).....	41	369	—88.9
Primary horsepower.....	8,925	11,933	—25.2
Capital.....	\$716,116	\$544,171	31.6
Salaries and wages.....	28,207	38,702	—27.1
Salaries.....	1,200	510	135.3
Wages.....	27,007	38,192	—29.3
Rent and taxes.....	7,276	5,755	26.4
Cost of materials ¹	2,177,063	1,663,846	30.9
Value of products ¹	2,665,859	2,059,677	29.4

¹ A minus sign (—) denotes decrease. ² Includes estimate of all grain ground.

TABLE 28.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, 1909– 1919.
	1919	1909	
Number of establishments.....	362	294	23.1
Persons engaged.....	765	1,009	—24.2
Proprietors and firm members.....	479	381	25.7
Salaried employees.....	3	2	—
Wage earners (average number).....	283	628	—54.8
Primary horsepower.....	7,011	5,650	24.1
Capital.....	\$351,640	\$294,594	19.4
Salaries and wages.....	169,649	115,416	47.0
Salaries.....	540	653	—17.3
Wages.....	169,109	114,763	47.4
Rent and taxes.....	2,970	3,214	—7.6
Cost of materials.....	126,977	6,092	1,984.3
Amount received for work done.....	531,117	320,563	62.6

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

GENERAL TABLES.

Table 29 gives, for 1919, 1914, and 1909, for selected industries in the state and in Covington and Louisville, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products; and for cities of 10,000 to 50,000 inhabitants, for which comparative figures are available, similar data for all industries

combined. Table 30 presents, for 1919, for the state as a whole and for Covington and Louisville, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and for all cities of 10,000 to 50,000 inhabitants, similar data for all industries combined.

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TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-sus year.	Num-ber of estab-lish-ments	Wage earners (aver-age num-ber).	Primary horse-power.	Wages.	Cost of ma-terials.	Value of prod-ucts.	INDUSTRY AND CITY.		Cen-sus year.	Num-ber of estab-lish-ments	Wage earners (aver-age num-ber).	Primary horse-power.	Wages.	Cost of ma-terials.	Value of prod-ucts.							
								Expressed in thousands.															
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																							
All industries.....	1919	3,957	69,340	247,573	\$67,034	\$235,716	\$395,660	Flour-mill and grist-mill products.	1919	533	1,584	26,852	\$1,423	\$39,581	\$45,774								
	1914	4,184	64,586	228,314	31,830	114,820	220,249		1914	442	1,447	25,151	658	17,410	21,229								
	1909	4,776	65,400	230,224	27,885	111,770	223,754		1909	440	1,401	24,773	501	18,064	22,305								
Artificial stone products.....	1919	18	33	85	30	43	104	Food preparations, not elsewhere specified.	1919	7	92	408	31	1,073	1,298								
	1914	34	71	204	24	39	95		1914	6	84	1,145	48	1,153	1,542								
	1909	31	72	70	30	52	117		1909	9	130	1,043	55	1,241	1,445								
Awnings, tents, and sails.....	1919	6	72	28	48	178	331	Foundry and machine-shop products. ⁶	1919	310	5,714	14,505	6,520	8,814	24,656								
	1914	5	26	131	12	39	80		1914	114	3,701	8,803	2,209	3,642	8,697								
Boots and shoes.....	1919	7	630	463	357	2,099	3,574	Furniture.....	1919	29	1,381	3,224	1,050	2,263	5,412								
	1914	9	440	428	180	1,672	2,564		1914	29	1,158	2,195	579	985	2,184								
Boxes, paper and other, not elsewhere specified.	1919	6	764	1,743	512	2,092	3,247		1900	32	1,095	2,030	444	770	1,671								
	1914	4	93	220	22	54	119																
Brass, bronze, and copper products.	1919	9	104	183	115	232	460	Gas, illuminating and heating.	1919	10	90	312	74	160	340								
	1914	9	59	166	39	73	137		1914	13	232	1,178	131	190	539								
	1909	7	25	99	12	32	61		1909	15	380	9,040	2,402	315	1,004								
Bread and other bakery products.	1919	242	1,030	1,292	908	5,426	7,856	Grease and tallow, not including lubricating greases.	1919	4	17	98	10	78	283								
	1914	236	993	976	593	1,992	3,347		1914	4	29	173	18	225	265								
	1909	286	985	745	485	1,946	3,338	Ice, manufactured.....	1919	99	754	12,548	602	914	2,686								
Brick and tile, pottery, and other clay products.	1919	52	2,454	8,107	2,083	2,071	5,894		1914	98	706	12,508	350	440	1,472								
	1914	73	2,309	7,650	901	748	2,306		1909	78	472	9,040	243	307	1,185								
Brooms.....	1919	36	170	186	149	711	1,277	Iron and steel, steel works and rolling mills.	1919	5	1,892	41,539	2,682	12,714	18,319								
	1914	20	179	140	52	311	503		1914	6	1,987	34,406	1,279	7,155	9,078								
	1909	32	86	96	31	318	520		1900	7	2,372	20,640	1,278	5,601	7,779								
Butter.....	1919	16	140	1,082	120	3,273	3,655	Leather, tanned, curried, and finished.	1919	10	661	2,478	670	5,791	8,748								
	1914	10	122	115	77	116	287		1914	11	600	2,276	320	3,242	4,199								
	1909	13	56	164	30	195	275		1909	18	630	2,089	308	3,224	4,241								
Canning and preserving ¹	1919	28	1,147	1,075	656	5,722	8,490	Liquors, malt.....	1919	8	563	4,110	601	1,103	5,417								
	1914	33	504	843	190	1,367	2,266		1914	15	680	6,752	744	1,529	5,828								
	1909	36	653	907	177	1,093	1,857		1909	10	1,012	6,057	532	1,271	4,949								
Carriages and wagons and materials.	1919	71	1,977	5,599	1,802	5,860	10,510	Lumber and timber products ⁴ .	1919	1,050	10,159	44,820	8,284	16,281	34,456								
	1914	130	1,897	5,748	909	2,554	4,647		1914	1,209	18,337	54,846	4,787	10,269	20,687								
	1909	161	2,777	6,617	1,104	2,713	5,141		1909	1,692	18,042	59,653	4,382	10,456	21,381								
Cars and general shop construction and repairs by electric-railroad companies.	1919	7	196	251	215	213	464	Marble and stone work.....	1919	63	346	2,171	374	721	1,585								
	1914	8	218	471	131	181	329		1914	79	450	1,975	288	447	1,058								
	1909	7	217	295	116	142	276		1909	75	510	1,085	261	350	1,000								
Cars and general shop construction and repairs by steam-railroad companies.	1919	30	12,372	8,799	17,125	11,957	30,598	Mattresses and spring beds, not elsewhere specified.	1919	9	88	116	66	184	393								
	1914	23	8,485	8,176	5,051	7,250	13,344		1914	11	72	108	41	78	105								
	1909	24	5,605	4,994	3,240	2,000	6,535		1909	8	56	92	28	66	129								
Clothing, men's.....	1919	50	2,590	616	1,494	5,733	10,072	Millinery and lace goods, not elsewhere specified.	1919	3	107	6	55	160	658								
	1914	60	2,572	557	988	2,366	4,641		1914	3	35	15	9	6	48								
Clothing, women's.....	1919	10	266	46	196	437	835	Mineral and carbonated waters.	1919	93	297	669	231	1,052	2,005								
	1914	12	320	55	148	273	563		1914	91	260	424	119	438	930								
	1909	15	392	65	151	433	772		1909	76	226	242	92	210	637								
Coffee, roasting and grinding.....	1919	15	89	303	113	1,946	2,694	Musical instruments, pianos and organs and materials.	1919	6	405	1,207	332	1,043	1,040								
	1914	17	92	361	46	1,241	1,561		1914	7	414	800	250	370	538								
	1909	13	57	216	28	702	988		1909	6	343	796	222	272	538								
Coke, not including gas-house coke.	1919	4	568	3,308	760	3,479	4,453	Paints.....	1919	13	195	846	155	1,809	2,738								
	1914	5	472	3,366	269	820	1,255		1914	16	151	815	98	1,055	1,619								
	1909	4	73	100	34	45	101		1909	17	146	768	70	1,213	1,902								
Confectionery and ice cream.....	1919	87	797	1,044	633	2,915	5,255	Patent medicines and compounds and druggists' preparations. ⁵	1910	33	256	307	142	749	2,327								
	1914	66	780	620	278	1,376	2,458		1914	45	376	838	149	755	2,103								
Cooperage.....	1919	14	582	2,410	468	1,847	2,780		1900	49	280	447	93	756	2,123								
	1914	34	704	2,347	418	1,414	2,440																
	1909	49	878	2,726	394	1,703	2,648	Paving materials.....	1919	33	584	4,062	450	279	981								
Copper, tin, and sheet-iron products. ⁴	1919	47	370	1,220	374	2,146	3,078		1914	18	679	2,400	203	134	617								
	1914	47	379	254	214	1,799	2,406		1914	10	123	3	22	238	276								
	1909	50	464	323	229	1,686	2,243		1909	17	157	524	97	155	271								
Cordage and twine.....	1919	4	469	1,185	269	942	1,844	Saddlery and harness ⁷	1919	62	479	352	400	2,850	4,444								
	1914	5	506	1,625	159	611	883		1914	43	590	292	374	1,511	2,297								
	1909	6	751	1,801	225	709	1,080		1909	33	814	400	380	1,427	2,373								
Cotton goods.....	1919	6	967	5,524	630	2,925	4,459	Shipbuilding, wooden, including boat building.	1919	7	185	840	201	53	330								
	1914	4	1,158	3,725	359	1,330	1,991		1914	11	90	104	52	135	222								
	1909	4	1,044	3,159	307	1,188	1,902		1909	10	157	524	97	155	271								
Fertilizers.....	1919	4	81	370	67	735	1,000	Slaughtering and meat packing.	1919	20	450	1,441	437	10,650	12,954								
	1914	6	132	298	50	439	793		1914	28	223	834	104	3,071	4,109								
	1909	4	50	212	25	456	776		1909	37	354	853	251	5,740	6,568								

¹ Includes pickles, preserves, and sauces.² Includes "stamped and enameled ware, not elsewhere specified," and "tinware, not elsewhere specified."³ Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines"; "hardware"; "iron and steel, welding"; "machine tools"; "plumbers' power," in 1914 and 1909.⁴ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."⁵ Includes "perfumery and cosmetics."⁶ Includes "engraving, steel and copper plate, including plate printing," and "lithographing" in all years, and "bookbinding and blank-book making" in 1914 and 1909.⁷ Includes "leather goods, not elsewhere specified," and "trunks and valises" in 1914 and 1909.

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TABLE 29.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Primary	Wages	Cost of	Value of	INDUSTRY AND CITY.	Cen-	Num-	Wage	Primary	Wages	Cost of	Value of
year.	estab-	age	num-	power.	Expressed in thousands.	mat-	prod-	year.	estab-	age	num-	power.	mat-	prod-	Expressed in thousands.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

Stoves and ranges.....	1919	6	454	513	\$433	\$461	\$1,408	Wood, turned and carved....	1919	10	432	792	\$344	\$1,200	\$1,912
	1914	8	487	532	282	237	754		1914	12	465	1,329	519	2,809	869
	1909	8	564	618	280	253	827		1909	19	652	1,446	254	700	1,169
Tobacco manufactures	1919	100	3,677	2,141	2,142	12,945	24,129	Woolen and worsted goods...	1919	10	565	1,128	428	1,949	3,247
	1914	153	3,326	1,558	1,211	7,663	16,147		1914	11	675	1,773	210	611	934
	1909	226	3,973	2,713	1,432	8,425	18,598		1909	14	818	2,506	241	858	1,278
Vinegar and cider.....	1919	5	23	134	17	366	683	All other industries.....	1919	249	7,066	31,663	6,819	41,953	61,172
	1914	7	39	340	19	380	700		1914	335	8,052	34,915	3,226	20,383	64,961
	1909	8	40	231	19	337	519		1909	577	11,684	38,332	4,413	25,876	72,482

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

COVINGTON.....	1919	133	4,038	8,241	\$4,547	\$7,834	\$17,121	LOUISVILLE—Con.	1919	6	387	1,124	\$300	\$898	\$1,473
All industries.....	1914	161	3,199	7,095	1,315	3,730	8,712	Cooperative.....	1914	10	545	1,416	307	994	1,844
	1909	196	3,942	8,256	1,388	4,471			1909	13	645	1,966	298	1,287	2,028
Bread and other bakery prod-	1919	19	41	55	47	261	401	Copper, tin, and sheet-iron	1919	14	130	109	126	534	916
ucts.	1914	19	38	7	24	84	142	work.	1914	11	114	79	71	366	585
1909	18	28	10	18	76	130		1909	17	204	112	99	409	625	
Confectionery and ice cream..	1919	5	9	18	8	50	87	Foundry and machine-shop	1919	64	3,505	10,588	4,017	5,877	14,500
	1914	6	8	14	3	9	21	products. ^b	1914	41	2,712	4,019	1,615	2,523	6,349
								Furniture.....	1919	43	3,164	5,724	1,700	3,499	6,888
Foundry and machine-shop	1919	19	805	1,222	1,071	1,431	3,667		1914	15	799	1,870	682	1,398	3,034
products. ¹	1914	18	477	793	286	488	1,137		1914	15	672	1,203	346	640	1,327
	1909	12	576	710	289	601	1,305		1909	17	425	980	178	356	765
Lumber, planing-mill prod-	1919	5	76	335	78	152	313	Ice, manufactured.....	1919	15	296	1,632	251	240	839
ucts, not including planing	1914	6	108	408	77	114	234		1914	8	1,731	1,721	102	141	341
mills connected with saw-	1909	10	142	601	83	172	312		1909	12	122	1,172	67	78	338
Printing and publishing, book	1919	5	15	25	15	15	47	Liquors, malt.....	1919	4	265	1,154	261	647	2,407
and job.	1914	5	19	21	12	12	36		1914	8	479	2,095	385	687	2,399
									1909	11	459	2,982	214	503	2,133
Tobacco manufactures	1919	14	187	197	115	619	1,240	Lumber and timber products ^c .	1919	27	1,572	5,612	1,320	5,067	8,631
	1914	22	331	389	115	406	1,048		1914	29	1,471	4,901	705	2,706	4,297
	1900	30	311	387	115	740	1,223		1909	34	1,686	4,415	733	2,509	4,227
All other industries.....	1910	66	2,905	6,380	3,213	5,306	11,366	Marble and stone work.....	1919	10	98	793	129	274	669
	1914	85	2,218	5,463	1,298	2,617	5,647		1914	9	147	413	118	182	421
	1909	126	2,885	6,548	1,383	2,882	5,742		1909	10	129	688	77	131	384
LOUISVILLE.....	1919	767	20,002	61,479	28,886	126,000	204,566	Mineral and carbonated	1919	7	57	142	48	211	505
All industries.....	1914	778	25,930	51,565	14,196	55,599	105,223	waters.	1914	12	69	59	36	99	216
	1909	903	27,023	49,926	12,460	54,128	101,284		1909	12	65	55	34	80	194
Boots and shoes and findings.	1919	5	209	105	129	448	740	Patent medicines and com-	1919	18	210	296	112	697	1,826
	1914	6	194	140	75	152	345	pounds and druggists' pre-	1914	22	269	705	109	522	1,644
	1909	7	246	169	91	269	439	parations. ^d	1909	26	95	239	36	524	1,410
Bread and other bakery prod-	1919	89	602	502	510	3,029	4,350	Printing and publishing ^e	1919	106	1,836	2,129	1,765	2,581	8,153
ucts.	1914	96	625	610	354	1,197	2,030		1914	124	1,925	1,873	1,324	1,392	4,747
	1909	133	670	484	332	1,302	2,248		1909	124	1,911	1,815	1,080	1,111	4,192
Carriages and wagons, in-	1919	10	590	2,152	703	1,545	3,225	Saddlery and harness.....	1919	19	364	310	325	2,055	3,128
cluding repairs.	1914	23	415	1,030	261	457	896		1914	14	397	222	229	984	1,406
	1909	38	949	2,341	418	800	1,574		1909	720	527	315	270	1,001	1,670
Cars and general shop con-	1919	5	4,606	4,135	6,278	6,960	13,768	Slaughtering and meat pack-	1919	13	342	875	327	8,045	9,959
struction and repairs by	1914	4	3,881	4,228	2,075	4,935	7,792	ing.	1914	16	158	635	128	2,747	3,080
steam-railroad companies.	1909	4	2,705	2,570	1,482	1,503	3,098		1909	22	293	679	219	4,715	5,372
Clothing, men's.....	1919	16	1,007	365	760	2,813	4,863	Tobacco, cigars and ciga-	1919	29	654	119	415	940	1,984
	1914	14	1,331	408	605	1,523	2,903	rettes.	1914	43	800	22	278	438	1,050
	1909	20	2,163	472	689	2,533	4,354								
Coffee, roasting and grinding.	1919	9	72	213	100	1,529	2,174	All other industries.....	1910	254	11,517	26,437	9,826	78,176	113,267
	1914	12	82	311	41	1,081	1,354		1914	242	8,721	22,733	4,143	38,699	58,006
									1909	340	10,556	22,818	4,443	31,448	59,338
Confectionery and ice cream..	1919	32	625	721	512	2,285	4,215								
	1914	19	671	432	239	1,174	2,101								

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

HENDERSON.....	1919	31	967	2,978	\$706	\$2,940	\$4,765	OWENSBORO.....	1919	64	1,330	4,206	\$1,005	\$4,604	\$8,635
	1914	42	1,147	3,527	436	1,668	2,973		1914	62	1,001	4,047	485	2,528	4,056
	1909	43	1,088	3,270	413	1,722	2,932		1909	69	1,064	4,059	408	2,252	3,505
LEXINGTON.....	1919	170	1,171	4,042	1,227	4,930	8,570	PADUCAH.....	1919	78	3,566	5,515	3,622	4,942	10,951
	1914	112	1,130	2,241	638	1,849	3,531		1914	75	2,402	5,174	1,265	2,144	4,491
	1909	85	1,032	2,579	511	1,249	2,851		1909	91	2,613	5,247	1,245	2,348	4,967
NEWPORT.....	1919	81	2,350	23,470	2,704	9,330	16,935								
	1914	100	1,880	6,731	1,288	4,853	8,306								
	1909	144	2,341	3,750	1,341	3,366	6,491								

^a Includes "automobile repairing"; "hardware"; "iron and steel, welding"; "machine tools"; and "structural ironwork, not made in steel works or rolling mills," in all years; and "engines, steam, gas, and water," in 1914 and 1909.

^b Includes "carriage and wagon materials."

^c Includes "automobile repairing"; "gas machines"; "hardware"; "iron and

MANUFACTURES—KENTUCKY.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.						WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					
		Clerks, etc.			Wage earners.			Total.	16 and over.		Under 16.		Capital.
		Proprietors and firm members.	Salaried officers, superintendents, and managers.	Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.	
							Maximum month.	Minimum month.					

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

														Dollars.				
1	All industries.....	3,057	83,954	4,003	3,778	4,502	2,241	60,340	De	75,688	Ja	65,941	(*)	270,535,395				
2	Agricultural implements.....	8	1,272	4	20	368	107	773	Mh	924	Au	627	838	826	11	1	5,502,435	
3	Artificial stone products.....	18	61	16	11	1	—	33	Jy	50	Ja	12	44	44	—	—	120,893	
4	Automobile bodies and parts.....	17	447	15	23	12	9	388	Ja	397	No	379	389	382	6	1	1,045,283	
5	Automobile repairing.....	190	923	233	31	10	35	614	De	666	Ja	543	694	692	2	—	1,400,607	
6	Awnings, tents, and sails.....	6	101	4	11	6	8	72	Jy	98	De	44	56	36	20	—	193,512	
7	Boots and shoes.....	7	732	12	44	31	15	630	De	842	Ja	449	836	383	427	6	2,093,936	
8	Boxes, paper and other, not elsewhere specified.....	6	909	5	25	75	40	764	Ja	1,025	Ja	588	692	476	210	—	3,967,951	
9	Boxes, wooden packing, except cigar boxes.....	8	545	—	24	12	9	500	Au	516	Fe	484	496	469	71	11	5	856,736
10	Brass, bronze, and copper products.....	9	130	10	9	3	4	104	Au	4	100	Mh	98	106	105	1	—	250,280
11	Bread and other bakery products.....	242	1,484	255	51	68	80	1,030	De	1,110	Ja	935	1,108	874	224	6	4	3,222,820
12	Brick and tile, terra-cotta, and fire-clay products.....	47	2,596	29	128	58	32	2,349	—	—	—	—	2,389	2,321	48	20	—	7,590,108
13	Building brick.....	30	854	18	60	16	8	752	Jy	1,043	Fe	336	911	805	4	12	—	2,180,448
14	Fire brick.....	7	1,321	—	41	23	17	1,237	Ja	1,425	No	1,043	1,093	1,089	—	—	4	510,984
15	Sewer pipe and drain tile.....	5	83	7	4	1	—	71	My	88	Ja	49	55	55	—	—	—	105,563
16	Terra-cotta products.....	5	338	4	20	18	7	289	De	325	Fe	263	330	282	44	4	—	673,123
17	Brooms.....	36	254	46	11	24	3	170	De	179	Ja	161	187	137	46	4	—	545,279
18	Butter.....	16	203	7	16	23	17	140	Oc	195	Fe	94	192	124	68	—	—	1,261,297
19	Buttons.....	5	112	4	5	2	2	99	No	131	Ja	68	128	110	18	—	—	135,329
20	Canning and preserving, fruits and vegetables.....	10	118	7	4	5	1	101	Se	377	Fe	8	301	85	210	—	—	223,614
21	Carriage and wagon materials.....	19	595	17	43	7	7	521	De	608	Fe	455	610	609	1	—	—	1,408,767
22	Carriages and wagons, including repairs.....	52	1,794	56	95	121	66	1,466	—	—	—	—	1,660	1,515	44	1	—	7,220,023
23	Carriages and wagons.....	28	1,712	26	94	121	66	1,405	De	1,485	Ap	1,272	1,508	1,463	44	1	—	7,002,986
24	Repair work only.....	24	82	30	1	—	2	196	Se	55	Ja	48	52	52	—	—	—	136,037
25	Cars and general shop construction and repairs by electric-railroad companies.....	7	210	—	7	5	2	196	Ja	227	Se	74	213	—	—	—	—	734,622
26	Cars and general shop construction and repairs by steam-railroad companies.....	30	13,124	—	245	460	47	12,372	De	13,367	Ja	11,257	13,370	13,358	12	—	—	13,991,435
27	Chemicals.....	4	29	1	3	6	6	13	No	4	14	Au	11	14	14	—	20	157,778
28	Clothing, men's.....	50	2,964	48	101	189	39	2,590	—	—	—	—	3,075	585	2,466	4	20	5,010,469
29	Regular factory products.....	29	2,597	17	101	188	39	2,252	—	—	—	—	2,630	520	2,093	4	19	4,930,119
30	Men's and youths'.....	19	1,856	9	80	165	26	1,616	Do	1,903	Fe	1,448	1,878	432	1,423	4	19	3,009,175
31	All other.....	10	711	8	21	33	13	636	No	759	Ja	601	758	88	670	—	—	1,020,044
32	Contract work, men's and youths'.....	21	367	29	—	—	—	338	De	439	Ja	274	439	36	373	—	—	83,350
33	Clothing, women's.....	10	312	12	16	6	12	260	Mh	280	Jy	243	253	38	215	—	—	299,458
34	Coffee, roasting and grinding.....	15	186	6	22	61	8	89	Ja	93	Mh	84	93	56	37	—	—	1,137,034
35	Coke, not including gas-house coke.....	4	627	—	22	31	6	508	Ja	697	Ap	487	564	564	—	—	4	476,766
36	Confectionery and ice cream.....	87	1,072	96	48	60	71	797	—	—	—	—	725	400	321	—	2	2,423,024
37	Confectionery.....	38	754	40	23	44	49	598	Fe	702	Ja	492	531	220	300	—	—	1,592,997
38	Ice cream.....	49	318	56	25	16	22	199	Au	249	Fe	152	194	180	12	2	—	830,027
39	Cooperage.....	14	631	7	24	11	7	582	De	707	Mh	487	711	710	1	—	—	1,884,101
40	Copper, tin, and sheet-iron work.....	44	396	48	35	18	19	276	De	318	Jy	247	321	310	5	—	—	1,309,240
41	Cordage and twine.....	4	491	—	15	4	3	460	De	520	Mh	302	520	281	235	1	3	1,258,001
42	Cordials and flavoring syrups.....	4	34	2	7	2	2	21	Ap	24	Oc	19	18	18	1	—	—	125,471
43	Cotton goods.....	6	1,007	3	21	7	9	907	Ja	1,211	Jy	808	1,022	477	518	13	14	4,107,714
44	Druggists' preparations.....	6	22	4	3	1	—	14	(*)	14	14	16	4	4	12	—	—	45,088
45	Electrical machinery, apparatus, and supplies.....	9	310	—	21	17	17	255	De	327	Au	162	327	277	50	—	—	1,112,553
46	Engraving, steel and copper plate, including plate printing.....	8	257	3	19	11	17	207	De	219	Mh	201	210	101	107	2	—	222,400
47	Fancy articles, metal and paper novelties.....	4	42	6	2	1	3	30	De	35	Ja	29	35	19	16	—	—	65,075
48	Fertilizers.....	4	116	2	10	14	9	81	Se	149	Fe	66	99	69	69	—	—	728,757
49	Flour-mill and gristmill products.....	533	2,830	741	108	246	91	1,584	Au	1,730	Mh	1,423	1,058	1,003	53	2	—	22,780,346
50	Food preparations, not elsewhere specified.....	7	120	4	9	8	7	92	No	108	My	71	98	74	24	—	—	379,724
51	Foundry and machine-shop products.....	87	3,187	67	210	198	158	2,564	No	761	My	544	772	2,720	2,702	14	4	10,307,585
52	Boiler shops and foundries.....	15	783	5	81	18	10	699	—	—	—	—	772	—	—	—	1,962,137	
53	Machine shops.....	63	1,179	60	95	121	113	790	De	872	Ap	729	807	800	4	3	—	4,528,050
54	Machine shop and foundry combined.....	9	1,225	2	34	59	35	1,095	No	1,143	Fe	1,040	1,141	1,130	10	1	—	3,877,308
55	Furniture.....	20	1,551	10	70	39	42	1,381	Au	1,479	Ja	1,201	1,490	1,280	200	3	1	3,605,567
56	Gas, illuminating and heating.....	10	113	—	15	6	7	90	Au	105	Ap	81	89	89	—	—	—	1,081,327
57	Grease and tallow, not including lubricating greases.....	4	27	3	5	2	—	17	No	22	Ja	16	16	16	—	—	—	99,429
58	Hand stamps.....	4	11	5	—	1	5	(*)	De	405	Ja	273	481	374	105	1	1	10,001
59	Hardware.....	4	370	—	16	2	9	343	De	405	Fe	420	741	736	3	2	—	978,326
60	Ice, manufactured.....	99	961	35	118	81	23	754	Jy	1,140	Fe	1,140	1,140	1,140	—	—	—	6,266,468
61	Iron and steel, blast furnaces.....	4	513	—	20	14	4	475	Ja	697	Ja	168	536	536	—	—	—	7,261,031
62	Iron and steel, steel works and rolling mills.....	5	2,083	—	79	96	16	1,892	De	2,062	Se	862	2,727	2,725	2	—	—	10,315,902
63	Jewelry.....	5	27	6	2	—	19	(*)	De	405	Ja	16	19	17	2	—	—	18,700
64	Leather, tanned, curried, and finished.....	10	727	1	39	18	8	661	Au	701	No	628	654	652	2	—	—	7,011,821
65	Liquors, malt.....	8	715	1	61	74	10	563	Au	680	Fe	481	522	616	4	2	—	3,624,300

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).³ No figures given for reasons stated under "Explanation of terms."

MANUFACTURES—KENTUCKY.

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COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.												POWER.										Electric horse-power generated in establishments reporting.	
Salaries and wages.			Rent and taxes.			For materials.			Value of products.	Value added by manufacturer.	Primary horsepower.					Total.	Steam engines (not turbines)	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rented. ²		
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.			Steam engines (not turbines)	Steam turbines.	Internal-combustion engines.	Water power. ¹									
60,452	429,465	866,749	776	432,327	2,241,379	38,634	4,407,137	2,127,124	2,073	653	31	1,380	2		
6,075	250	29,755	4,180	763	41,258	2,073	103,943	60,612	85	12	48	25	3		
63,326	24,836	410,887	773,127	386	74,053	17,978	600,253	23,889	1,365,882	681,740	816	73	743	4		
50,015	36,676	773,127	386	816	4,224	2,822	170,561	902,584	36,355	2,389,306	1,447,457	1,261	19	580	2	690	10	5		
27,035	13,243	48,342	.....	4,402	206,183	2,089,662	9,099	1,474,371	1,476,010	463	70	.....	28	.....	28	.....	.....	.....	.....	6
100,183	190,951	350,716	121,901	8,402	2,051,349	40,932	3,574,584	1,474,371	1,476,010	1,246,584	1,154,303	1,743	1,349	14	380	1,114	40	7		
77,743	117,787	512,270	640	4,452	81,751	2,051,349	40,932	3,574,584	1,474,371	1,476,010	1,154,303	1,743	1,349	.....	14	.....	380	1,114	.....	8
86,626	28,607	314,567	.....	3,000	21,098	904,220	19,740	1,606,895	772,920	1,404	615	.....	50	.....	739	.....	.....	.....	.....	9
31,090	5,503	115,090	1,290	8,026	222,995	8,961	400,385	228,429	183	15	168	10	10		
105,530	110,700	907,563	3,304	63,413	5,299,667	125,042	7,886,283	2,430,674	1,292	34	160	1,098	64	11	11		
333,909	144,295	2,032,074	200	160,776	1,155,238	848,809	5,686,473	8,682,425	7,807	6,991	260	72	484	2,513	12	12		
112,990	24,090	610,433	200	600	42,234	207,574	322,565	1,087,005	1,156,866	3,817	3,322	260	33	202	850	13	13		
168,866	92,844	1,135,354	110,045	773,442	433,405	3,205,678	1,998,831	3,120	2,805	35	220	1,043	14	14		
6,480	1,000	47,006	.....	10,978	28,495	25,940	173,086	118,051	419	365	4	.....	50	.....	15	.....	.....	.....	.....	15
45,573	26,361	109,681	30,544	6,519	145,727	66,899	620,704	408,078	451	439	.....	12	20	16	.....	.....	.....	.....	.....	16
38,970	20,044	149,171	3,947	49,027	705,259	9,102	1,276,884	505,523	186	128	27	34	00	17	.....	.....	.....	.....	.....	18
31,099	32,438	120,428	9,050	8,034	2,235,391	37,558	8,055,208	882,261	1,082	486	82	514	.....	211	24	.....	.....	.....	.....	24
14,833	10,115	59,620	1,041	850	79,145	4,480	196,284	112,059	91	63	28	4	19	.....	.....	.....	.....	.....	.....	19
10,280	8,095	34,715	1,150	327	199,897	2,495	273,055	70,063	195	148	3	44	10	20	20	.....	.....	.....	.....	20
55,818	12,968	441,931	180	895	39,681	731,863	17,886	1,758,680	1,008,931	1,989	1,595	28	300	58	21	.....	.....	.....	.....	21
209,240	220,003	1,420,146	1,157	6,023	150,137	5,030,509	88,100	8,751,095	3,632,330	3,610	2,635	123	852	2,333	22	.....	.....	.....	.....	22
208,040	226,003	1,366,053	.....	3,162	148,700	4,977,997	85,516	8,505,941	3,532,428	3,485	2,635	94	756	2,333	23	.....	.....	.....	.....	23
1,200	54,093	1,157	2,801	1,347	52,572	2,674	155,154	99,908	125	29	.....	756	2,333	24	96	.....	.....	.....	.....	24
21,400	6,840	215,481	.....	4,711	200,720	12,266	403,563	250,571	251	40	.....	211	211	25	.....	.....	.....	.....	.....	25
778,036	624,166	17,125,442	.....	2,500	81,613	11,543,502	413,746	30,597,902	18,640,714	8,709	7,233	900	600	9,691	26	.....	.....	.....	.....	26
7,820	9,374	14,610	780	7,813	50,398	13,551	177,018	113,069	859	100	.....	250	.....	27	.....	.....	.....	.....	.....	27
306,080	535,793	1,403,915	90,240	52,137	189,745	5,896,489	86,038	10,071,884	4,339,362	616	226	22	368	177	28	.....	.....	.....	.....	28
306,080	535,793	1,280,951	89,680	50,725	138,328	5,095,891	80,877	9,757,702	4,030,994	565	225	15	325	176	29	.....	.....	.....	.....	29
241,373	483,401	905,448	86,340	40,885	122,805	3,668,553	23,306	6,476,048	2,783,689	375	225	150	175	175	30	.....	.....	.....	.....	30
94,707	52,395	316,503	3,340	9,840	15,521	2,027,338	7,071	3,281,714	1,247,305	190	180	15	175	175	31	.....	.....	.....	.....	31
40,734	16,825	100,340	5,786	10,650	6,210	433,032	3,498	5,166	314,122	308,308	51	1	7	43	2	32	46	.....	33			
87,093	203,034	112,997	11,412	51,851	1,936,938	8,876	3,037,337	94,039	3,308	2,650	458	5	298	34	.....	.....	.....	.....	34	
46,317	74,116	750,581	24,175	441,909	4,857,836	57,141	4,458,285	974,039	3,308	2,650	458	200	1,240	35	.....	.....	.....	.....	35	
124,183	145,002	632,551	500	57,318	309,197	42,610	1,733,116	5,255,290	2,340,263	1,044	312	39	693	81	26	.....	.....	.....	.....	26
73,078	95,445	324,300	500	14,708	18,757	1,124,770	28,011	1,749,024	596,248	423	126	297	393	81	38	.....	.....	.....	.....	38
51,085	40,557	308,261	500	1,374	71,442	1,330,234	10,974	2,779,578	932,370	2,410	1,928	31	445	625	39	.....	.....	.....	.....	39
87,799	37,288	468,099	9,007	9,049	24,800	1,889,636	7,696	2,716,479	819,147	287	287	287	588	42	41	.....	.....	.....	.....	41
86,793	30,077	201,740	9,007	9,049	24,800	71,825	20,630	1,843,810	901,792	1,185	600	43	43	42	42	.....	.....	.....	.....	42
32,315	7,284	200,435	.....	2,033	16,151	76,654	2,699	108,359	89,006	43	43	43	43	42	42	.....	.....	.....	.....	42
19,550	5,007	16,950	.....	2,033	16,151	76,654	2,699	108,359	89,006	43	43	43	43	42	42	.....	.....	.....	.....	42
77,140	25,205	638,332	.....	1,500	78,139	2,834,454	90,475	4,459,039	1,534,110	5,524	3,048	2	90	2,384	43	.....	.....	.....	.....	43
6,080	150	6,080	1,770	278	38,265	250	69,498	32,583	32,583	8	.....	374	178	45	44	.....	.....	.....	.....	45
88,271	29,045	243,039	12,436	2,975	100,409	540,573	7,253	1,137,031	583,205	439	65	.....	374	178	45	.....	.....	.....	.....	45
49,886	28,718	116,316	6,000	5,922	4,848	150,002	4,110	480,121	325,409	38	2	.....	38	46	46	.....	.....	.....	.....	46
5,900	1,848	23,825	.....	540	459	28,615	1,488	86,912	56,809	47	47	47	47	47	47	.....	.....	.....	.....	47
27,980	26,058	67,237	941	2,002	16,907	728,867	6,564	999,946	204,515	370	157	206	5,847	3,174	498	213	48	49	49				
448,485	487,429	1,422,801	2,073	21,500	241,905	39,114,643	460,318	45,773,798	6,192,837	20,852	13,227	206	5,847	3,174	498	498	50		
14,025	11,840	31,172	.....	2,880	12,107	1,059,584	13,573	219,585	224,428	498	.....	.....	.....	.....	.....	.....	.....	.....	.....	50
552,193	353,076	2,629,446	12,306	21,133	511,116	5,188,239	209,580	11,661,525	6,268,706	7,440	4,411	451	.....	2,578	51	.....	.....	.....	.....	51
189,106	38,098	690,150	4,773	33,825	1,205,563	202,553	2,676,406	1,325,285	1,407	310	116	981	236	52	.....	.....	.....	.....	52	
250,914	214,787	809,081	12,306	14,094	233,508	2,102,248	40,503	5,185,500	3,052,751	1,502	76	217	1,209	53	.....	.....	.....	.....	53	
112,173	99,301	1,129,015	.....	2,200	249,783	1,820,430	86,619															

MANUFACTURES—KENTUCKY.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.						WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.	
		Total.	Propri- tors and firm mem- bers.	Sala- ried offi- cers, super- in- tend- ents, and man- agers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Aver- age num- ber.	Number, 15th day of—	Maximum month.		Male.	Female.	Male.	Female.	

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	Lithographing.....	5	249	1	23	34	15	176	Se	186	Ja	163	184	146	36	1	1	Dollars 853,362
2	Lumber and timber products.....	931	9,340	1,150	233	158	76	7,716	No	9,625	Je	6,402	8,802	8,688	178	26	1	10,955,212
3	Lumber, planing-mill products, not including planing mills connected with sawmills.	106	2,209	84	175	130	58	1,764	Se	1,943	Ja	1,433	1,871	1,823	44	3	1	6,246,851
4	Machine tools.....	7	292	10	16	9	8	249	De	302	Ja	209	302	297	5	.....	.....	633,454
5	Marble and stone work.....	63	489	84	52	21	6	346	.....	.....	.....	.....	398	397	.....	1	.....	1,186,651
6	Monuments and tombstones.....	50	310	60	20	17	2	205	No	223	Fa	187	214	213	.....	1	.....	709,911
7	Other marble and stone work, except slate.	13	179	4	26	4	4	141	Se	188	Ja	90	184	184	.....	.....	.....	470,740
8	Mattresses and spring beds, not elsewhere specified.	9	110	7	6	4	5	88	Mh	98	Ja	70	82	64	.....	18	.....	161,733
9	Millinery and lace goods, not elsewhere specified.	7	218	10	12	.....	80	107	Je	119	Fe	97	108	4	103	1	.....	220,786
10	Mineral and carbonated waters.....	93	482	98	40	31	16	297	Jy	400	Ja	196	286	270	8	8	.....	1,100,510
11	Minerals and earths, ground or otherwise treated.	4	45	4	3	.....	1	37	Jy	60	Ja	13	57	57	.....	.....	.....	115,325
12	Optical goods.....	8	79	4	6	6	11	52	Se	59	Ja	45	57	44	12	1	.....	115,086
13	Paints.....	13	307	.....	35	58	19	195	Au	223	Ja	159	200	141	59	.....	.....	1,380,528
14	Patent medicines and compounds.....	28	355	17	31	49	30	228	Ap	271	Oe	158	200	148	80	.....	1	1,512,056
15	Paving materials.....	38	648	30	24	8	2	584	Jy	782	Ja ^a	272	772	772	.....	.....	.....	783,834
16	Perfumery and cosmetics.....	4	19	3	.....	2	14	(4)	14	(4)	14	14	14	6	8	.....	.....	13,097
17	Pickles, preserves, and sauces.....	18	1,280	6	60	128	40	1,046	.....	.....	.....	1,227	620	587	4	16	.....	3,887,998
18	Preserves.....	5	592	.....	22	31	11	528	Oc	679	My	282	617	327	200	.....	1,701,357	.....
19	Pickles and sauces.....	13	688	6	38	97	29	518	Se	798	Fe	352	610	293	4	16	.....	2,120,641
20	Pottery, earthen and stone ware.....	5	120	5	7	1	2	105	Au	112	Fe	97	105	93	12	.....	.....	172,012
21	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	18	122	22	1	.....	2	97	De	607	Ja ^a	10	607	224	380	3	.....	167,372
22	Printing and publishing, book and job.	108	1,520	89	89	74	73	1,195	De	1,340	My	945	1,343	872	453	12	6	3,027,428
23	Printing and publishing, newspapers and periodicals.	252	2,298	235	217	375	199	1,272	.....	.....	.....	1,311	1,001	191	26	3	5,325,551	
24	Printing and publishing.....	15	957	7	82	290	76	502	No	517	Ja	492	510	487	22	1	.....	2,300,601
25	Printing, publishing, and job printing.	200	1,203	214	91	77	56	765	No	803	Ap	738	706	599	169	25	3	2,822,132
26	Publishing without printing.....	37	138	14	44	8	67	5	(4)	5	(4)	5	5	5	5	.....	.....	130,818
27	Saddlery and harness.....	52	601	53	27	85	17	479	De	490	Re ^a	472	490	437	50	3	.....	1,944,904
28	Shipbuilding, wooden, including boat building.	7	193	4	3	1	.....	185	Ap	254	Au	113	219	219	.....	.....	.....	110,166
29	Signs and advertising novelties.....	6	108	4	12	1	5	80	Jy	102	Ja	69	80	40	43	.....	.....	189,133
30	Slaughtering and meat packing.....	28	667	29	33	53	2	450	De ^a	462	Se	439	465	447	8	.....	1,980,987	.....
31	Stoves and ranges.....	6	634	.....	26	60	4	464	De	482	Ap	427	482	458	24	.....	1,246,575	.....
32	Structural ironwork, not made in steel works or rolling mills.	12	269	5	17	23	23	196	Au	222	Ap	108	209	200	.....	.....	1,504,679	
33	Tobacco, chewing and smoking, and snuff.	24	2,706	12	64	160	64	2,406	.....	.....	.....	2,398	1,334	1,064	.....	.....	21,380,881	
34	Chewing.	15	849	6	46	73	18	706	De	835	My	587	828	475	348	.....	.....	5,356,257
35	Smoking, and snuff.	9	1,857	6	18	87	46	1,700	Jy	1,803	De	1,573	1,575	859	716	.....	16,024,024	.....
36	Tobacco, cigars and cigarettes.	78	1,455	82	59	33	10	1,271	De	1,558	Jy	1,152	1,503	270	1,280	6	1	2,330,303
37	Vinegar and cider.....	5	53	1	8	13	8	23	Se ^a	26	Ja ^a	22	26	22	4	.....	.....	202,426
38	Window and door screens.....	5	219	3	11	14	12	179	My	201	Mh	156	182	124	52	2	4	814,405
39	Wirework, not elsewhere specified.	3	8	3	.....	5	5	(4)	(4)	5	5	5	5	5	5	.....	.....	12,225
40	Wood, turned and carved.	10	476	9	17	10	8	432	Se	449	Fe	404	441	438	2	1	.....	948,287
41	Woolen and worsted goods.	10	597	9	15	4	3	595	No	640	Fe	433	625	240	202	21	72	1,606,307
42	All other industries*.	183	8,580	112	462	593	330	7,074	.....	.....	.....	.....	.....	.....	.....	.....	40,532,904	

All other industries embrace—		Cement.....	1	Flax and hemp, dressed.....	3	House-furnishing goods, not elsewhere specified.....	3
Artificial limbs.....	2	Cleaning gum.....	2	Fur goods.....	2	Ink, printing.....	1
Automobiles.....	2	Cleansing preparations.....	2	Furnishing goods, men's.....	3	Ink, writing.....	1
Bags, other than paper, not including bags made in textile mills.....	2	Clocks.....	1	Gas and electric fixtures.....	1	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	1
Baskets, and rattan and willow ware.	1	Collins, burial cases, and undertakers' goods.....	4	Gas machines.....	1	Iron and steel, welding.....	1
Blacking, stains, and dressings.....	1	Cotton small wares.....	1	Glass, cutting, staining, and ornamenting.....	3	Iron and steel, wrought pipe.....	1
Bluing.....	1	Cutlery, scissors, shears, and clippers.....	1	Gloves and mittens, cloth, not including gloves made in textile mills.....	1	Jewelry and instrument cases.....	1
Bone and carbon black.....	1	Dental goods.....	3	Glucos.....	1	Knit goods.....	2
Bookbinding and blank-book making	3	Dyeing and finishing textiles, exclusive of that done in textile mills.	3	Glue, other than fish.....	1	Labels and tags.....	3
Boot and shoe findings.....	3	Electroplating.....	2	Hair work.....	2	Lime.....	3
Boxes, cigar.....	2	Engines, steam, gas, and water.....	2	Hats and caps, other than felt, straw, and wool.....	1	Liquors, distilled, rum.....	1
Brushes.....	1	Engraving and die-stamping.....	1	Hats, fur-felt.....	1	.....	1
Carpets, rag.....	2	Explosives.....	4	.....	.....	.....	.....
Cars, steam-railroad, not including operations of railroad companies.	1	Flavoring extracts.....	1	.....	.....	.....	.....

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KENTUCKY.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.												POWER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Salaries and wages.				Rent and taxes.				For materials.				Value of products.	Value added by manufacturer.	Primary horsepower.					Electric horse-power generated in establishments reporting.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²	Owned.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
720,409	319,273	6,298,613	1,526,506	24,313	358,983	9,642,244	158,737	23,283,636	13,482,655	35,862	32,401	1,171	217	412	1,861	700	48	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
433,018	183,436	1,617,591	400	10,102	112,397	5,175,817	98,709	8,855,944	3,581,418	7,317	3,255	511	40	3,511	48	2	3	62,892	19,729	272,222	8,487	840	37,267	303,250	11,595	1,022,499	707,654	381	60	355	272	10	534	175	5	4	97,555	32,000	373,073	2,385	11,882	10,025	683,611	36,843	1,584,702	863,248	2,171	1,355	802	147	10	265	150	6	5	54,420	23,960	247,266	2,385	9,089	7,290	556,057	15,336	1,122,019	550,626	1,309	975	312,622	125	269	25	7	7	6	43,129	8,049	126,407	407	2,193	2,735	128,554	21,507	462,683	462,683	1,309	469	469	125	269	25	7	7	7	15,846	11,132	66,392	5,654	8,398	180,858	3,314	393,160	208,988	116	116	8	8	8	9,770	118,447	55,445	7,888	584	150,566	413	653,424	493,445	6	6	9	9	9	67,360	39,604	230,650	154	13,420	78,486	1,029,784	21,967	2,005,107	1,043,446	669	181	78	3	407	15	10	10	10	10	2,400	300	31,044	597	597	16,018	9,190	73,160	46,952	469	469	469	469	469	469	469	11	11	11	34,292	17,657	42,537	600	14,700	10,072	98,891	1,827	257,322	156,604	26	5	80	80	80	80	80	12	12	12	123,228	114,126	155,320	75	8,590	76,075	1,880,203	10,273	2,786,468	886,992	846	22,247	3	3	3	3	3	13	13	13	98,088	80,922	128,181	75	7,202	651,159	642,928	43,350	2,209,571	1,523,293	296	280	148	148	148	148	148	14	14	14	38,289	7,540	455,789	69	6,055	7,098	219,057	60,251	980,972	701,064	4,062	3,189	45	137	691	240	240	15	15	15	1,064	6,759	69	1,007	98	25,668	145	48,060	48,060	48,060	48,060	2	2	389	389	389	114	114	114	16	232,619	285,278	621,043	600	13,456	158,586	5,468,083	50,977	8,223,431	2,763,371	880	480	2	2	2	2	2	17	17	17	99,245	74,980	377,275	3,648	71,408	3,448,720	27,479	4,556,214	1,080,015	179	179	148	148	148	148	148	148	56	56	56	133,374	210,292	243,768	2,587	87,178	2,020,368	23,498	3,667,217	1,623,356	701	341	2	2	358	358	358	358	358	19	19	22,770	8,140	80,604	300	500	2,209	39,551	27,809	207,540	140,180	300	300	300	300	300	300	300	20	20	20	500	1,110	47,176	3,782	5,159	738,772	1,208	358,054	121,074	1,224	1,224	4	4	992	992	992	4	25	21	266,268	186,543	1,054,293	54,597	51,164	78,163	1,457,356	44,518	4,421,926	2,920,052	1,181	10	5	5	1,166	5	5	22	22	22	509,002	524,594	1,317,140	205,794	73,652	66,655	1,661,454	90,718	6,183,394	4,431,222	2,306	100	228	4	1,974	4	4	23	23	23	241,788	345,860	656,320	8,974	20,044	42,011	908,050	48,212	3,261,225	2,304,963	1,082	100	228	4	982	4	982	24	24	24	177,144	122,420	656,022	47,122	23,516	665,036	42,420	2,329,958	1,622,493	1,224	1,224	4	4	992	4	992	4	25	25	25	90,070	50,206	4,798	196,820	6,486	1,128	88,368	77	592,211	503,766	352	2	350	350	350	350	350	26	26	26	114,392	159,207	480,109	20,234	14,850	28,658	2,842,395	16,382	4,443,962	1,685,185	352	1,217	1,217	1,217	1,217	1,217	1,217	31	31	31	8,784	1,500	200,525	970	1,456	50,863	1,081	330,242	277,398	340	340	340	340	340	340	340	32	32	32	28,691	5,130	62,016	7,500	5,180	5,625	122,722	2,802	367,639	242,115	102	1,217	1,217	1,217	1,217	1,217	1,217	102	102	102	93,094	86,133	437,072	4,528	3,859	53,405	10,580,159	78,715	12,953,986	2,295,082	1,441	513	513	513	513	513	513	224	224	224	83,182	62,753	433,064	4,240	52,239	430,282	30,476	1,407,938	947,180	807	807	807	807	807	807	807	807	824	824	824	57,366	37,574	420,150	2,000	1,746	25,196	452,320	14,732	1,016,503	548,451	824	824	824	824	824	824	824	33	33	33	232,676	334,833	1,408,852	5,444	1,132	5,939,910	11,214,803	93,505	20,547,825	9,239,337	1,996	1,782	5	5	209	1,156	1,156	33	33	33	132,831	120,016	385,987	578	874,462	2,080,353	23,294	4,053,211	1,949,564	578	524	524	524	524	524	524	524	34	34	34	99,845	208,817	1,022,865	5,444	554	5,065,448	9,134,540	70,301	16,494,614	7,289,773	1,418	1,258	1,258	1,258	1,258	1,258	1,258	155	155	155	101,596	67,328	738,501	34,287	484,846	1,926,590	9,770	3,531,321	1,944,961	145	145	145	145	145	145	145	145	36	36	36	19,759	30,325	16,996	516	22,830	304,771	1,508	682,811	316,532	134	115	115	115	115	115	115	115	37	37	37	27,147	26,234	162,937	1,260	24,642	252,777	8,807	619,071	337,487	237	85	85	85	85	85	85	85	38	38	38	70,757	20,140	344,268	2,724	10,027	1,190,900	8,958	1,911,650	711,798	792	220	220	220	220	220	220	220	40	40	40	50,956	6,066	427,890	182,849	1,912,058	36,547	3,247,080	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	293	293	293	1,026,118	1,348,416	7,002,156	105,419	113,304	2,527,491	30,734,828	1,034,417	57,616,782	19,847,517	19,770	7,855	7,855	7,855	7,855	7,855	7,855	8,142	3,640	42	42
62,892	19,729	272,222	8,487	840	37,267	303,250	11,595	1,022,499	707,654	381	60	355	272	10	534	175	5	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
97,555	32,000	373,073	2,385	11,882	10,025	683,611	36,843	1,584,702	863,248	2,171	1,355	802	147	10	265	150	6	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
54,420	23,960	247,266	2,385	9,089	7,290	556,057	15,336	1,122,019	550,626	1,309	975	312,622	125	269	25	7	7	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
43,129	8,049	126,407	407	2,193	2,735	128,554	21,507	462,683	462,683	1,309	469	469	125	269	25	7	7	7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
15,846	11,132	66,392	5,654	8,398	180,858	3,314	393,160	208,988	116	116	8	8	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9,770	118,447	55,445	7,888	584	150,566	413	653,424	493,445	6	6	9	9	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
67,360	39,604	230,650	154	13,420	78,486	1,029,784	21,967	2,005,107	1,043,446	669	181	78	3	407	15	10	10	10	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2,400	300	31,044	597	597	16,018	9,190	73,160	46,952	469	469	469	469	469	469	469	11	11	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34,292	17,657	42,537	600	14,700	10,072	98,891	1,827	257,322	156,604	26	5	80	80	80	80	80	12	12	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
123,228	114,126	155,320	75	8,590	76,075	1,880,203	10,273	2,786,468	886,992	846	22,247	3	3	3	3	3	13	13	13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
98,088	80,922	128,181	75	7,202	651,159	642,928	43,350	2,209,571	1,523,293	296	280	148	148	148	148	148	14	14	14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38,289	7,540	455,789	69	6,055	7,098	219,057	60,251	980,972	701,064	4,062	3,189	45	137	691	240	240	15	15	15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1,064	6,759	69	1,007	98	25,668	145	48,060	48,060	48,060	48,060	2	2	389	389	389	114	114	114	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
232,619	285,278	621,043	600	13,456	158,586	5,468,083	50,977	8,223,431	2,763,371	880	480	2	2	2	2	2	17	17	17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
99,245	74,980	377,275	3,648	71,408	3,448,720	27,479	4,556,214	1,080,015	179	179	148	148	148	148	148	148	56	56	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
133,374	210,292	243,768	2,587	87,178	2,020,368	23,498	3,667,217	1,623,356	701	341	2	2	358	358	358	358	358	19	19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22,770	8,140	80,604	300	500	2,209	39,551	27,809	207,540	140,180	300	300	300	300	300	300	300	20	20	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
500	1,110	47,176	3,782	5,159	738,772	1,208	358,054	121,074	1,224	1,224	4	4	992	992	992	4	25	21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
266,268	186,543	1,054,293	54,597	51,164	78,163	1,457,356	44,518	4,421,926	2,920,052	1,181	10	5	5	1,166	5	5	22	22	22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
509,002	524,594	1,317,140	205,794	73,652	66,655	1,661,454	90,718	6,183,394	4,431,222	2,306	100	228	4	1,974	4	4	23	23	23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
241,788	345,860	656,320	8,974	20,044	42,011	908,050	48,212	3,261,225	2,304,963	1,082	100	228	4	982	4	982	24	24	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
177,144	122,420	656,022	47,122	23,516	665,036	42,420	2,329,958	1,622,493	1,224	1,224	4	4	992	4	992	4	25	25	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
90,070	50,206	4,798	196,820	6,486	1,128	88,368	77	592,211	503,766	352	2	350	350	350	350	350	26	26	26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
114,392	159,207	480,109	20,234	14,850	28,658	2,842,395	16,382	4,443,962	1,685,185	352	1,217	1,217	1,217	1,217	1,217	1,217	31	31	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8,784	1,500	200,525	970	1,456	50,863	1,081	330,242	277,398	340	340	340	340	340	340	340	32	32	32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28,691	5,130	62,016	7,500	5,180	5,625	122,722	2,802	367,639	242,115	102	1,217	1,217	1,217	1,217	1,217	1,217	102	102	102																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
93,094	86,133	437,072	4,528	3,859	53,405	10,580,159	78,715	12,953,986	2,295,082	1,441	513	513	513	513	513	513	224	224	224																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
83,182	62,753	433,064	4,240	52,239	430,282	30,476	1,407,938	947,180	807	807	807	807	807	807	807	807	824	824	824																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
57,366	37,574	420,150	2,000	1,746	25,196	452,320	14,732	1,016,503	548,451	824	824	824	824	824	824	824	33	33	33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
232,676	334,833	1,408,852	5,444	1,132	5,939,910	11,214,803	93,505	20,547,825	9,239,337	1,996	1,782	5	5	209	1,156	1,156	33	33	33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
132,831	120,016	385,987	578	874,462	2,080,353	23,294	4,053,211	1,949,564	578	524	524	524	524	524	524	524	34	34	34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
99,845	208,817	1,022,865	5,444	554	5,065,448	9,134,540	70,301	16,494,614	7,289,773	1,418	1,258	1,258	1,258	1,258	1,258	1,258	155	155	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
101,596	67,328	738,501	34,287	484,846	1,926,590	9,770	3,531,321	1,944,961	145	145	145	145	145	145	145	145	36	36	36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19,759	30,325	16,996	516	22,830	304,771	1,508	682,811	316,532	134	115	115	115	115	115	115	115	37	37	37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27,147	26,234	162,937	1,260	24,642	252,777	8,807	619,071	337,487	237	85	85	85	85	85	85	85	38	38	38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70,757	20,140	344,268	2,724	10,027	1,190,900	8,958	1,911,650	711,798	792	220	220	220	220	220	220	220	40	40	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
50,956	6,066	427,890	182,849	1,912,058	36,547	3,247,080	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	1,298,455	293	293	293																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1,026,118	1,348,416	7,002,156	105,419	113,304	2,527,491	30,734,828	1,034,417	57,616,782	19,847,517	19,770	7,855	7,855	7,855	7,855	7,855	7,855	8,142	3,640	42	42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

* Same number reported for one or more other months.

† Same number reported throughout the year.

Looking-glass and picture frames...	2	Petroleum, refining...	3	Saws...	1	Tools, carpenters'...	1
Mait...	1	Photo-engraving...	3	Scales and balances...	2	Toys and games...	2
Mirrors, framed and unframed, not elsewhere specified...	2	Photographic apparatus, motion-picture machines...	2	Shirts...	4	Trunks and valises...	2
Musical instruments and materials, not specified...	1	Photographic materials, motion-picture projection films...	1	Soap...	2	Upholstering materials, excelsior...	1
Musical instruments, organs...	1	Plumbers' supplies, not elsewhere specified...	1	Sporting and athletic goods...	4	Varnishes...	4
Musical instruments, pianos...	2	Plumbers' supplies, not elsewhere specified...	2	Stamped and enamelled ware, not elsewhere specified...	2	Wall plaster and composition flooring...	3
Musical instruments, piano materials...	1	Pumps, not including power pumps...	1	Stapery and art goods...	2	Washing machines and clothes...	3
Oil and cake, cottonseed...	1	Roofing materials...	3	Steam packing...	2	Wringers...	1
Oil, essential...	1	Rubber tires, tubes, and rubber goods, not elsewhere specified...	1	Stencils and brands...	2	Waste, cotton...	1
Oil, not elsewhere specified...	3	Safes and vaults...	1	Stereotyping and electrotyping...	2	Watchcases...	1
Peanuts, grading, roasting, cleaning, and shelling...	2	Sausage, not made in slaughtering and meat-packing establishments...	2	Surgical appliances...	3	Window shades and fixtures...	1
				Textile machinery and parts...	2	Wood carpet...	1
				Tinware, not elsewhere specified...	1	Wood distillation...	1
					1	Wood preserving...	2
					1	Wool scouring...	1

MANUFACTURES—KENTUCKY.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total	Propri- etors and firm mem- bers.	Salari- ed offi- cers, super- in- tendents, and man- agers.	Clerks, etc.		Wage earners..		Total	16 and over.		Under 16.		
					Male.	Female.	Aver- age num- ber.	Number, 15th day of—		Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.					

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	COVINGTON—All industries...	133	4,812	109	261	277	127	4,038	De 4,433	My 3,709	4,475	3,800	673	1	1	Dollars. 11,315,624
2	Bread and other bakery products...	19	75	22	3	3	6	41	No 47	Fo 39	46	43	3	...	134,032	
3	Confectionery and ice cream...	5	25	6	2	8	9	Jy 13	Ja 5	13	12	1	...	31,431		
4	Foundry and machine-shop products...	5	453	1	62	11	7	377	Se 438	My 280	397	397	...	1,408,538		
5	Lumber, planing-mill products, not including planing mills connected with sawmills.	5	94	8	6	5	1	76	No 90	Fe 63	91	90	...	398,613		
6	Printing and publishing, book and job.	5	23	3	3	1	1	15	Ja 16	De 14	14	13	1	...	31,574	
7	All other industries *	94	4,137	71	187	255	104	3,520	3,014	3,245	608	1	...	9,311,433

*All other industries embrace—		Carriage and wagon materials.....	1	Copper, tin, and sheet-iron work.....	3	Electroplating.....	2
Automobile bodies and parts.....	1	Carriages and wagons, including repair.....	1	Gordings and twine.....	1	Furniture, wood, except rattan and willow.....	1
Automobiles.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	1	Cordials and flavoring sirups.....	1	Grease and tallow, not including lubricating greases.....	1
Automobile repairing.....	3	Bricks and tile, terra-cotta, and fire-clay products.....	2	Cotton small wares.....	1	Hardware.....	1
Brass and bronze products.....	1	Clothing, men's.....	7	Dyeing and finishing textiles, exclusive of that done in textile mills.....	1	Ice, manufactured.....	4
Brooms, from broom corn.....	1	Cooperage.....	1	Electric machinery, apparatus, and supplies.....	3	...	...

1	LOUISVILLE—All industries	767	36,008	458	1,654	2,711	1,343	29,902	De 31,070	Je 28,382	32,181	25,707	6,271	70	133	Dollars. 130,513,623
2	Automobile bodies and parts.....	12	176	11	13	8	6	140	Jy 154	No 131	141	134	6	1	347,733	
3	Automobile repairing.....	19	154	12	13	2	1	128	Jy 133	Ja 117	127	125	2	...	208,941	
4	Boxes, wooden packing, except cigar boxes.....	5	433	...	18	7	8	400	Au 418	No 382	394	320	50	10	608,746	
5	Bread and other bakery products.....	89	824	86	38	51	47	602	Jo 643	Ja 554	632	493	130	...	1,924,519	
6	Brooms, from broom corn.....	4	133	1	4	12	3	113	De 118	Ap 105	118	83	35	...	259,524	
7	Butter.....	5	79	2	6	6	10	55	Jy 68	Fe 44	61	51	10	...	752,888	
8	Carriages and wagons, including repairs.	10	719	11	37	51	21	599	...	...	666	659	7	...	3,401,418
9	Carriages and wagons.....	6	703	7	36	51	21	588	Fe 694	Ja 502	655	648	7	...	3,434,800	
10	Repair work only	4	16	4	1	1	1	...	Fe 12	No 9	11	11	...	26,018		
11	Cars and general shop construction and repairs by steam-railroad companies.	5	4,830	...	73	139	18	4,006	De 4,841	Je 4,110	4,841	4,840	1	...	7,480,287	
12	Chemicals.....	4	29	1	3	6	6	13	No 14	Au 11	14	14	...	167,778		
13	Clothing, men's.....	16	1,286	7	56	104	22	1,007	...	1,308	354	1,025	3	18	2,555,812	
14	Men's and youths'.....	11	1,038	2	50	93	17	876	De 1,090	Mh 690	1,099	304	776	3	10	2,145,620
15	All other.....	5	248	5	6	11	5	221	De 290	My 188	299	50	249	...	410,186	
16	Coffee, roasting and grinding.....	9	153	2	21	53	5	72	Jy 76	Ja 66	76	48	28	...	900,098	
17	Confectionery and ice cream.....	32	792	24	37	51	55	625	...	537	272	263	...	1,904,377		
18	Confectionery.....	21	626	19	18	40	41	508	Fe 615	Ja 431	434	173	250	2	1,407,424	
19	Ice cream.....	11	166	5	19	11	14	117	Au 142	Fe 91	103	90	4	...	496,953	
20	Cooperage.....	6	414	3	13	5	6	387	My 411	Fe 371	404	403	1	...	1,303,040	
21	Copper, tin, and sheet-iron work.....	14	177	12	19	9	7	130	No 143	Mh 120	137	132	5	...	304,892	
22	Electrical machinery, apparatus, and supplies.....	4	152	...	14	12	8	118	De 108	Au 37	171	168	3	...	543,947	
23	Engraving, steel and copper plate, including plate printing.....	8	257	3	19	11	17	207	De 219	Mh 201	210	101	107	2	...	222,400
24	Fancy articles, not elsewhere specified.....	4	42	6	2	1	3	30	De 35	Ja 29	35	19	10	...	65,075	
25	Foundry and machine-shop products.....	31	1,817	12	80	109	50	1,557	...	1,652	1,637	14	1	...	5,287,782	
26	Boiler shops and foundries.....	6	159	5	13	2	2	134	De 106	Au 114	107	107	...	502,557		
27	Machineries.....	19	492	7	37	45	22	381	De 470	Ap 333	408	404	4	...	1,038,471	
28	Machine shop and foundry combined.....	6	1,166	...	30	59	35	1,042	No 1,037	Fe 985	1,077	1,066	10	1	...	3,740,754
29	Furniture.....	15	801	6	41	20	25	799	Oc 887	Ja 681	895	756	138	1	...	1,801,971
30	Ice, manufactured.....	15	352	5	28	11	12	206	Jy 408	Fe 198	245	242	3	...	2,027,512	
31	Jewelry.....	5	27	6	2	19	(4)	19	19	10	17	2	...	18,708
32	Liquors, malt.....	4	322	1	23	29	4	265	Jy 303	Fe 243	243	243	...	...	632,807
33	Lumber and timber products.....	8	587	...	32	55	25	475	De 644	Jy 409	544	510	34	...	4,335,390	
34	Lumber, planing-mill products, not including planing mills connected with sawmills.	16	846	4	52	69	24	697	Je 817	Ja 561	724	680	44	...	2,582,278	
35	Marble and stone work.....	10	135	6	23	7	1	98	114	113	...	1	...	422,180
36	Monuments and tombstones.....	7	92	6	12	6	6	68	De 79	Ap 61	70	78	...	1	...	333,756
37	Other marble and stone work, except slate.	3	43	...	11	1	1	30	De 35	Ja 27	35	35	...	...	88,424
38	Mineral and carbonated waters.....	7	83	6	4	14	2	57	Au 78	De 40	42	39	3	...	234,008	
39	Optical goods.....	5	72	1	6	6	11	48	De 54	Ja 42	50	40	9	1	...	107,395
40	Patent medicines and compounds.....	14	272	7	23	33	13	196	Ja 243	Oc 120	176	139	36	1	...	1,280,470
41	Perfumery and cosmetics.....	4	19	3	...	2	14	(4)	14	14	14	14	6	8	...	13,097
42	Pickles, preserves, and sauces.....	9	903	2	40	113	29	719	Oc 939	Ap 507	743	448	295	...	2,055,876	
43	Printing and publishing, book and job.	50	1,239	27	76	68	68	1,002	De 1,139	My 756	1,149	724	412	7	8	2,500,723

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KENTUCKY.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.										POWER.							
Salaries and wages.			Rent and taxes.			For materials.				Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rented. ²				

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 828,308	Dollars. 399,675	Dollars. 4,547,211	Dollars. 23,751	Dollars. 92,823	Dollars. 771,076	Dollars. 7,538,428	Dollars. 295,209	Dollars. 17,120,603	Dollars. 9,286,966	8,241	4,608	.....	424	.....	3,209	606	1
4,755	8,508	46,617	1,800	5,100	1,936	255,934	5,024	401,103	140,145	55	.....	.....	.....	.....	55	.....	2
118,790	5,850	7,020	.....	3,538	590	49,132	1,281	87,249	30,836	18	10	.....	.....	.....	8	.....	3
13,934	25,689	384,020	2,154	64,360	609,562	31,033	1,650,359	918,864	608	210	.....	95	.....	363	236	4	
3,510	7,148	78,167	.....	1,500	2,491	144,090	7,482	312,520	160,051	335	155	.....	10	.....	170	.....	5
687,849	349,704	4,015,456	21,951	78,856	701,550	6,375,180	248,762	14,622,143	7,998,251	7,140	4,233	.....	219	.....	2,588	370	6

Iron and steel, welding.....	1	Musical instruments, organs.....	1	Safes and vaults.....	1	Tobacco, chewing.....	1	3
Labels and tags.....	1	Paints.....	2	Signs and advertising novelties.....	2	Tobacco, cigars.....	11	11
Liquors, distilled.....	1	Patent medicines and compounds.....	1	Slaughtering and meat packing.....	4	Tools, not elsewhere specified.....	1	1
Liquors, malt.....	1	Pickles, preserves, and sauces.....	3	Sporting and athletic goods.....	1	Wirework, including wire rope and cable, not elsewhere specified.....	1	1
Machine tools.....	0	Printing and publishing, newspapers	1	Statuary and art goods.....	1	Wood, turned and carved.....	2	2
Marble and stone work.....	3	and periodicals.....	1	Structural ironwork, not made in	1	steel works or rolling mills.....	3	3
Mineral and carbonated waters.....	1	Saddlery and harness.....	1	.....	.....	.....	.....	.....

Dollars. 5,420,078	Dollars. 5,100,692	Dollars. 28,886,142	Dollars. 245,247	Dollars. 412,073	Dollars. 11,202,705	Dollars. 128,635,677	Dollars. 2,403,740	Dollars. 204,555,727	Dollars. 78,406,810	61,479	33,516	1,531	244	26,198	18,339	1
24,526	14,056	141,668	2,440	9,537	247,895	4,039	556,898	304,364	201	201	2	
20,745	3,275	191,750	171	13,706	9,222	207,115	7,393	584,455	360,947	180	36	145	3	
67,790	17,034	260,000	18,288	728,526	18,616	1,358,908	611,766	1,149	410	739	4	
82,300	69,157	510,456	1,284	20,110	51,318	2,906,936	61,936	4,349,900	1,321,118	502	7	585	5	
18,000	9,407	102,222	2,080	15,820	208,445	4,439	557,569	254,685	129	125	4	60	6	
15,624	18,936	54,308	3,375	1,604,800	9,277	1,804,769	160,602	347	2,100	2,152	2	347	7	
88,438	70,247	703,326	1,157	1,200	53,302	1,496,816	48,475	3,224,837	1,676,546	1,676	2	60	2,127	8	
87,238	70,247	691,750	600	58,126	1,476,833	48,100	3,179,474	1,054,541	2,128	2,100	2	.....	28	2,127	9	
1,200	11,570	1,157	600	246	19,988	375	46,963	25,005	24	.....	24	.....	10	.....	10
276,510	150,920	6,278,243	2,500	54,012	8,466,194	113,961	18,768,341	6,808,188	4,135	3,175	900	60	4,301	11	
7,820	9,374	14,019	780	7,313	50,398	13,551	177,018	113,060	359	100	.....	.....	259	.....	12
180,424	230,010	750,890	11,852	44,060	77,278	2,798,439	14,817	4,802,951	2,049,995	365	225	.....	140	110	13	
170,497	212,451	852,446	8,512	32,040	74,472	2,152,010	12,948	3,829,277	1,034,318	310	225	.....	88	110	14	
18,927	17,489	107,444	3,340	5,420	2,806	640,429	1,869	1,083,074	385,376	55	55	213	15	
88,038	240,546	99,590	7,702	50,375	1,622,850	5,852	2,173,906	645,455	218	218	465	81	16	
108,153	127,403	512,128	.....	33,430	295,089	2,104,004	40,547	4,214,030	1,980,379	721	256	.....	254	.....	17
67,168	89,741	270,760	.....	29,550	282,432	1,528,988	23,547	3,148,580	1,500,045	380	126	.....	211	81	18
40,085	37,082	241,362	8,880	12,657	665,090	17,000	1,066,870	384,334	341	130	.....	118	425	20		
47,746	24,817	303,451	1,084	60,489	802,348	5,828	1,472,870	574,703	1,124	975	31	.....	109	203	21	
35,870	12,398	126,406	8,997	4,243	7,831	530,637	3,387	916,574	381,550	109	268	203	178	22	
41,000	16,736	127,793	.....	800	18,877	217,475	2,199	497,707	278,033	2,103	65	.....	300	.....	203
40,886	28,718	116,316	6,000	5,922	4,848	150,602	4,110	480,121	325,409	38	2	.....	36	.....	23
5,900	1,848	23,825	540	450	28,615	1,488	86,012	56,809	47	47	278	2,715	24	
228,411	170,826	1,574,950	11,806	9,488	340,291	3,173,398	127,591	6,336,353	3,035,304	5,432	4,050	100	1,278	2,715	25	
49,377	7,254	145,223	984	7,108	430,949	34,527	720,777	255,301	494	100	.....	394	.....	26	
82,103	70,241	306,086	11,806	7,538	100,278	1,011,515	10,085	2,018,435	986,835	510	9	501	27	
90,931	99,301	1,003,050	966	241,005	1,730,934	82,979	3,597,141	1,783,228	4,428	3,050	100	378	2,715	28	
140,935	53,032	681,033	4,309	4,180	47,570	1,362,279	35,935	3,034,140	1,635,926	1,870	1,090	.....	780	185	29	
64,024	20,340	250,893	2,665	300	30,028	62,540	187,807	839,446	599,099	1,692	1,577	.....	55	82	30	
90	18,764	2,850	259	22,079	246	552,624	54,637	32,312	5	.....	5	.....	31	.....	31
84,208	42,420	200,692	.....	304,572	94,051	2,407,440	1,760,765	1,154	1,142	.....	12	.....	738	32	
161,729	88,066	484,593	9,913	98,493	2,253,826	42,312	3,364,528	1,568,390	2,360	1,064	27	.....	1,269	26	33	
138,501	109,148	575,425	3,030	55,000	1,036,052	37,882	3,407,956	1,384,022	2,103	300	.....	1,803	.....	34	
51,752	11,229	120,083	.....	6,093	4,003	262,648	11,844	608,861	334,309	703	710	.....	83	150	35
28,752	8,684	64,617	.....	6,879	3,226	218,957	7,253	445,522	224,312	373	300	.....	73	150	36
22,000	2,645	34,166	1,114	867	48,691	4,691	163,339	110,057	420	410	.....	10	.....	37	
11,050	14,200	48,400	2,124	28,642	202,692	8,122	505,497	294,683	142	8	.....	134	.....	38	
34,292	17,657	30,062	12,890	10,813	78,176	1,345	219,196	139,675	20	.....	20	.....	39		
72,410	41,443	105,465	75	2,858	647,852	528,039	42,930	1,778,432	1,207,463	293	280	.....	13	.....	40
11,050	1,064	6,759	68	1,007	98	25,688	145	48,080	32,247	3	.....	3	.....	31	
161,460	249,932	511,867	1,224	120,087	4,526,096	34,192	6,634,319	2,074,031	323	306	.....	17	114	42		
238,066	176,107	901,958	54,336	32,944	72,822	1,232,741	30,315	3,829,147	2,300,091	966	.....	.....	966	.....	43

¹ Same number reported for one or more other months.

² Same number reported throughout the year.

MANUFACTURES—KENTUCKY.

TABLE 30.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.				
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.				
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.					
								Maximum month.	Minimum month.								

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

														Dollars.		
1	Printing and publishing, newspapers and periodicals.	42	1,072	18	133	240	122	559			570	517	58	1	3	2,812,200
2	Printing and publishing.	7	725	1	63	222	44	395	De 3	398	Je 2	394	398	376	21	1,050,389
3	Printing, publishing, and job printing.	13	228	6	33	11	10	162	Au 2	179	Ap 1	139	178	138	37	1,032,406
4	Publishing without printing.	22	119	11	37	7	62	2	(4)	2	(4)	2	3	3		123,405
5	Saddlery and harness.	19	474	13	19	64	14	364	Au 2	373	De 2	356	369	319	48	1,204,554
6	Slaughtering and meat packing.	13	417	13	20	40	2	342	De 2	347	Je 2	339	341	333	8	1,378,308
7	Stoves and ranges.	6	534	2	26	50	4	454	De 2	482	Ap 2	427	482	458	24	1,240,575
8	Structural ironwork, not made in steel works or rolling mills.	7	115	2	9	12	2	90	Au 2	93	Mh 2	87	92	92		389,514
9	Tobacco, chewing and smoking, and snuff.	8	2,034	3	23	98	48	1,862	Jy 2	2,012	Ja 1	1,726	1,862	1,068	700	19,273,010
10	Tobacco, cigars and cigarettes.	29	730	26	24	21	5	654	De 2	768	Jy 2	591	768	161	607	1,338,627
11	All other industries*.	206	12,471	116	584	1,126	630	10,015			11,116	8,951	2,025	40	100	68,468,450

* All other industries embrace—															
Agricultural implements.	3	Brass, bronze, and copper products.	7	Cordials and flavoring sirups.	2	Gas and electric fixtures.	1								
Artificial limbs.	2	Brick and tile, terra-cotta, and fire-clay products.	1	Cotton goods.	1	Gas machines.	1								
Artificial stone products.	2	Cutlery, scissors, shears, and clippers.	1	Glass, cutting, staining, and ornamenting.	3	Glass, cutting, staining, and ornamenting.	3								
Automobiles.	1	Brushes.	1	Dental goods.	3	Glue, not elsewhere specified.	1								
Awnings, tents, and sails.	4	Buttons.	1	Druggists' preparations.	2	Grease and tallow, not including lubricating greases.	3								
Bags, other than paper, not including bags made in textile mills.	1	Carpets, rug.	1	Dyeing and finishing textiles, exclusive of that done in textile mills.	2	Hair work.	2								
Blacking, stains, and dressing.	1	Carriage and wagon materials.	2	Engraving and diesinking.	1	Hand stamps.	2								
Bluing.	1	Cars and general shop construction and repairs by electric-railroad companies.	1	Fertilizers.	2	Hardware.	1								
Bookbinding and blank-book making.	2	Clocks.	1	Flour-mill and gristmill products.	3	Hats and caps, other than felt, straw, and wool.	2								
Boot and shoe findings.	2	Clothing, women's.	8	Food preparations, not elsewhere specified.	3	Hats, fur-felt.	1								
Boots and shoes.	3	Collars, burial cases, and undertakers' goods.	3	Fur goods.	1	House-furnishing goods, not elsewhere specified.	1								
Boxes, cigar.	2	Cordage and twine.	1	Furnishing goods, men's.	3										

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	ASHLAND.	43	2,136	23	92	70	39	1,912	De 2	2,301	Je 2	1,253	2,370	2,128	242	2	4	14,977,550
2	HENDERSON.	31	1,116	21	42	54	32	967	Je 2	1,232	No 2	602	984	601	290	17	16	3,072,485
3	LEXINGTON.	170	1,656	157	109	136	83	1,171	No 2	1,327	Ja 1	1,050	1,340	1,120	222	4	...	4,921,064
4	NEWPORT.	81	2,811	79	146	197	69	2,350	De 2	3,137	Se 1	2,202	8,158	2,705	437	0	7	14,807,336
5	OWENSBORO.	64	1,785	39	130	150	80	1,380	Oc 1	1,618	Ja 1	1,216	1,539	1,139	300	7	...	0,104,889
6	PADUCAH.	78	4,053	69	131	201	50	3,596	Oc 2	4,044	Ja 1	3,177	4,085	3,413	623	4	45	0,811,124

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—KENTUCKY.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									Value added by manufacturer.	POWER.					Electric horse power generated in establishments reporting.	
Salaries and wages.			Rent and taxes.		For materials.		Primary horsepower.					Owned.			Electric horse power generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.		Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent ed. ²		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 333,017	Dollars. 330,412	Dollars. 680,956	Dollars. 113,617	Dollars. 22,110	Dollars. 48,782	Dollars. 1,010,627	Dollars. 47,853	Dollars. 3,590,056	Dollars. 2,531,576	1,068	100				968	1
181,227	264,985	538,096	—	11,692	38,920	754,557	40,988	2,522,149	1,726,604	837	100				737	2
68,054	13,581	146,400	4,980	5,936	8,927	171,434	6,865	523,381	345,082	231					231	3
82,836	51,836	1,860	108,037	4,482	935	84,636	—	544,520	459,890							4
61,063	80,275	324,709	9,144	22,628	2,040,157	14,340	3,127,547	1,073,020	316						316	5
69,355	71,089	326,792	4,528	2,720	48,868	7,987,893	57,349	9,058,808	1,913,566	875	836				39	6
83,182	62,753	433,064	—	4,240	52,239	430,282	30,476	1,407,938	947,180	513					513	7
32,041	18,447	78,719	2,000	1,376	4,033	176,880	8,005	388,651	201,766	704					704	8
138,739	228,590	1,120,500	5,444	486	5,342,318	9,080,479	76,307	17,619,802	7,854,016	1,558	1,408				150	9
53,271	35,408	414,538	—	14,139	286,728	933,622	6,183	1,983,749	1,043,944	119	60				59	10
2,092,383	2,214,843	9,581,720	17,057	110,472	2,927,171	62,235,855	1,201,995	91,775,339	28,337,489	27,101	13,152	600	64		13,285	11

Ink, printing	1	Musical instruments, organs.	1	Saws.	1	Toys and games.	1
Iron and steel, steel works and rolling mills.	1	Musical instruments, pianos.	1	Scales and balances.	2	Trunks and valises.	2
Iron and steel, welding.	2	Musical instruments, piano materials.	1	Shipbuilding, wooden, including boat building.	1	Upholstering materials, not elsewhere specified.	1
Jewelry and instrument cases.	1	Oil and cake, cottonseed.	1	Signs and advertising novelties.	1	Varnishes.	4
Labels and tags.	2	Oil, not elsewhere specified.	3	Soap.	1	Vinegar.	4
Leather, tanned, curried, and finished	7	Paints.	11	Sporting and athletic goods.	1	Wall plaster and composition flooring.	2
Lithographing.	4	Petroleum, refining.	2	Stamped and enameled ware, not elsewhere specified.	2	Waste.	1
Looking-glass and picture frames.	2	Photo-engraving.	2	Statuary and art goods.	1	Window and door screens.	3
Malt.	1	Plumbers' supplies, not elsewhere specified.	2	Steam packing.	2	Window shades and fixtures.	1
Mattresses and spring beds, not elsewhere specified.	7	Pottery.	1	Stencils and brands.	2	Wirework, including wire rope and cable, not elsewhere specified.	1
Millinery and lace goods, not elsewhere specified.	3	Pumps, not including power pumps.	1	Storeotyping and electrotyping.	2	Wood, turned and carved.	4
Mirrors, framed and unframed, not elsewhere specified.	2	Roofing materials.	1	Surgical appliances.	3	Wool, scouring.	1
		Rubber tires, tubes, and rubber goods, not elsewhere specified.	1	Textile machinery and parts.	1	Woolen and worsted goods.	2
				Tin foil.	1		

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

207,935	123,335	2,443,470	701,058	6,582	258,144	10,438,240	1,406,700	15,963,475	4,058,475	35,420	25,248	510	412	9,256	3,315	1
113,447	126,525	705,046	941	6,153	104,613	2,849,428	90,749	4,705,359	1,825,182	2,978	2,413	3	3	562	213	2
241,448	179,430	1,226,697	53,490	93,377	179,275	4,816,404	113,033	8,570,495	3,640,158	4,042	893	187	666	2,296	3,511	3
439,888	313,202	2,704,121	80,064	16,337	691,600	8,744,822	585,346	16,935,349	7,605,181	23,470	13,258	9,000	87	1,125	281	4
272,811	212,203	1,004,973	32,015	19,462	418,093	4,558,945	134,876	8,634,737	3,940,916	4,206	2,411	—	63	1,795	892	5
365,251	423,004	3,021,896	9,817	23,675	311,905	4,707,298	174,697	10,930,818	0,008,823	5,515	4,525	—	63	927	892	6

^{*} Same number reported for one or more other months.[†] Same number reported throughout the year.

LOUISIANA.

GENERAL STATISTICS.

General character of the state.—Louisiana has a gross area of 48,506 square miles, of which 45,409 represent land surface. The inhabitants of the state in 1900 numbered 1,381,625; in 1910, 1,656,388; and in 1920, 1,798,509. In total population Louisiana ranked twenty-second among the states in 1920. The number of inhabitants per square mile in 1910 was 36.5, the corresponding figure for 1920 being 39.6.

In 1920 there were six cities in the state—Alexandria, Baton Rouge, Lake Charles, Monroe, New Orleans, and Shreveport—having more than 10,000 inhabitants. These six cities, the combined population of which in that year was 496,148, or 27.6 per cent of the total for Louisiana, reported 32 per cent of the value of the state's manufactured products in 1919.

Importance and growth of manufactures (Table 1).—The increases in salaries and wages, cost of materials, and value of products, as presented in Table 1, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. However, the increases shown in number of establishments, primary horsepower, and number of wage earners employed evidence the growth of the state's manufacturing activities. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by parishes (Table 2).—Figures are not available for comparison of parish totals for 1919 with those for prior censuses.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. In many instances, their ranking would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 31.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 500 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—Increases from 1914 to 1919 are shown in all the details for the six cities included in this table, except for wage earners under 16 years of age in Alexandria, Baton Rouge, and Monroe.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and also for each of the six cities having more than 10,000 inhabitants. There were a number of industries in the state in 1919 in which the number of female wage earners predominated. The six cities combined reported a somewhat larger proportion of female wage earners than the state as a whole, 26.1 per cent as compared with 10.2 per cent for the state.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Louisiana. In that year 8.1 per cent of the wage earners were included in the group "48 and under," as against 25.3 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 73.4 per cent of the total wage earners, as compared with 54.5 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 90.8 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 31.4 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 9.2 per cent of the total number of

MANUFACTURES—LOUISIANA.

manufacturing establishments in the state, but reported 68.6 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups for all items for 1909, and for the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of the industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 42.7 per cent of the number of establishments in the state in 1919, they reported 87.9 per cent of the average number of wage earners and 90.1 per cent of total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 20,063, or 30.3 per cent, and the value of products \$386,724,611, or 173.8 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in

the six cities in 1919 represented 43.6 per cent of the total in the state. They reported in that year 32.5 per cent of the average number of wage earners and 32 per cent of the total value of products.

Principal industries in New Orleans, with per cent of total for the state (Table 16).—This table includes all industries in New Orleans having products of \$1,000,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present the statistics of the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing, however, it sometimes happens that quite important industries can not be shown in the city, since to do so might disclose the operations of establishments located outside, by the simple deduction of the totals shown for the industry in the city from those given in the detailed state table.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that of 1914, shows an increase of 33,412 horsepower, or 9.4 per cent. This increase, however, is chiefly due to the gain of 25,455 horsepower, or 149.7 per cent, in rented power. The owned power increased 7,957 horsepower, or 2.4 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

The large increase in the amount of gas consumed in 1919, as compared with 1914, is due to the bone and carbon black industry which reported 82.8 per cent of the total quantity of gas consumed in the state. In 1914 there were no establishments in the state engaged in this industry.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	2,617	2,211	2,516	2,091	1,826	18.4	-12.1	20.3	14.5
Persons engaged.....									
Proprietors and firm members.....	112,523	88,014	86,503	63,735	(2)	27.8	1.7	35.8	.....
Salaried employees.....	2,042	1,850	2,255	1,899	(3)	10.4	-10.4	20.9	.....
Wage earners (average number).....	12,216	8,499	5,103	5,977	8,576	43.7	4.0	35.6	67.1
98,265	77,065	76,165	55,859	40,878	20.5	2.0	36.4	36.6	
Primary horsepower.....	388,605	355,193	346,652	251,963	160,182	9.4	2.5	37.0	32.5
Capital.....	\$462,209,057	\$261,635,022	\$221,810,308	\$150,810,008	\$100,874,729	76.7	18.6	47.1	49.5
Salaries and wages.....									
Salaries.....	117,351,989	50,712,012	42,394,039	31,360,154	17,659,372	131.4	10.0	35.2	77.6
Wages.....	22,946,257	11,167,552	9,008,135	6,044,404	2,933,935	105.5	24.0	49.0	106.0
Paid for contract work.....	94,408,732	39,544,460	33,385,904	25,315,750	14,725,437	138.7	18.4	31.0	71.0
Rent and taxes.....	3,428,125	2,537,779	2,555,405	2,801,304	(2)	35.1	-0.7	-8.8	.....
Cost of materials.....	28,288,203	9,784,026	10,615,068	3,421,180	(2)	180.1	-7.8	.....	.....
Value of products.....	431,403,867	157,886,027	134,864,775	117,035,305	75,403,937	173.2	17.1	15.2	55.2
Value added by manufacture.....	676,189,770	253,312,648	223,948,038	186,379,592	111,397,919	104.8	14.0	20.2	67.3
244,785,903	97,426,621	89,083,863	69,344,287	35,993,982	151.3	0.4	28.5	92.7	

¹ A minus sign (—) denotes decrease.

* Figures not available.

² Exclusive of internal revenue.

⁴ Value of products less cost of materials.

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TABLE 2.—STATISTICS FOR THE STATE, BY PARISHES: 1919.

PARISH.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
The state.....	2,617	98,265	\$94,405,732	\$28,238,203	\$431,403,867	\$676,189,770	\$244,785,903	388,605
Acadia.....	44	410	306,300	77,109	11,650,253	13,618,384	1,968,111	3,944
Allen.....	28	3,096	3,334,612	1,059,078	2,860,900	11,045,718	8,184,818	8,848
Ascension.....	34	654	544,246	33,465	1,878,039	2,587,522	709,483	5,201
Assumption.....	21	946	477,321	87,722	3,458,334	4,732,762	1,274,428	9,237
Avoyelles.....	16	98	86,674	6,291	632,280	804,894	171,614	1,238
Beauregard.....	34	4,371	4,863,932	1,227,825	5,018,686	15,337,429	10,318,743	14,399
Bienville.....	23	356	333,537	28,424	371,392	1,073,338	701,946	1,543
Bossier.....	11	329	277,098	146,200	2,435,556	3,136,538	697,982	1,913
Caddo.....	116	2,657	2,951,983	395,068	11,881,659	19,412,989	7,531,330	10,009
Calcasieu.....	70	2,650	3,094,504	452,277	6,976,584	12,479,904	5,503,320	13,654
Claiborne.....	22	240	237,147	4,433	191,332	741,032	549,700	1,121
Concordia.....	10	413	433,981	28,866	524,033	1,530,307	1,006,274	3,681
De Soto.....	22	309	398,895	74,724	682,489	1,646,470	943,990	1,447
East Baton Rouge.....	70	3,602	4,735,846	5,790,410	44,621,933	67,608,596	22,986,603	10,974
East Carroll.....	6	150	172,574	46,054	101,326	589,585	488,239	352
East Feliciana.....	12	52	20,425	341	34,972	111,572	76,600	535
Evangeline.....	12	393	533,216	22,461	470,988	1,273,765	802,797	1,571
Franklin.....	11	483	252,607	27,395	206,014	1,180,095	974,081	1,267
Grant.....	11	1,105	1,073,247	267,703	1,034,718	3,012,875	1,978,157	5,659
Iberia.....	53	1,153	847,824	328,332	2,830,672	5,519,162	2,682,490	7,775
Iberville.....	58	1,441	1,048,001	272,606	4,912,934	7,747,526	2,834,592	11,583
Jackson.....	15	939	671,980	92,029	1,212,322	2,564,987	1,352,655	2,933
Jefferson.....	50	3,590	8,321,287	1,610,931	58,289,558	72,635,091	14,345,533	10,251
Jefferson Davis.....	28	279	243,558	32,428	3,565,064	4,109,745	604,681	1,928
La Salle.....	8	1,188	1,333,067	260,423	748,052	3,845,366	3,097,314	10,744
Lafayette.....	22	422	449,405	20,018	2,255,665	3,165,190	909,525	6,806
Lafourche.....	65	1,547	1,158,288	173,696	6,819,768	9,457,631	2,637,863	14,192
Lincoln.....	25	419	341,787	23,507	645,416	1,377,847	732,431	1,590
Livingston.....	10	364	287,821	27,178	341,573	731,893	390,320	1,176
Morehouse.....	18	444	414,470	50,620	514,203	1,331,379	817,176	1,502
Natchitoches.....	34	1,257	1,261,312	160,379	1,124,015	3,693,172	2,569,157	4,932
Orleans.....	873	26,641	24,613,926	9,044,804	113,308,499	182,798,561	69,490,062	52,507
Ouachita.....	55	1,278	1,227,446	137,135	3,374,386	6,050,829	2,685,243	5,547
Plaquemines.....	6	236	202,168	21,749	957,676	1,369,140	411,464	2,595
Pointe Coupee.....	19	682	564,806	65,549	1,900,945	3,119,264	1,218,319	4,420
Rapides.....	97	4,928	5,187,219	969,631	7,077,189	17,298,069	10,220,880	15,287
Richland.....	19	804	612,975	58,228	707,254	1,053,367	946,113	2,041
Sabine.....	19	1,544	2,004,393	187,611	1,700,378	5,001,747	3,301,389	4,034
St. Charles.....	11	268	339,842	359,537	2,885,080	6,127,030	3,240,950	1,844
St. Helena.....	6	35	29,914	212	6,720	59,621	52,901	189
St. James.....	37	2,232	1,956,588	363,315	18,433,063	22,316,419	3,882,756	10,120
St. John the Baptist.....	19	1,255	1,080,281	164,367	5,349,847	8,013,515	2,693,668	10,259
St. Landry.....	50	601	672,416	97,252	1,702,547	2,888,406	1,095,859	3,720
St. Martin.....	24	156	94,968	42,914	1,106,089	1,488,573	382,534	2,930
St. Mary.....	70	4,308	3,348,621	372,814	10,369,835	17,216,283	6,846,443	20,069
St. Tammany.....	51	2,631	2,518,536	206,133	2,547,765	6,420,937	3,882,172	7,984
Tangipahoa.....	50	2,556	2,123,200	170,994	2,344,718	6,367,607	4,022,789	5,307
Terrebonne.....	32	1,673	1,074,815	336,876	5,345,167	8,181,087	2,835,920	13,107
Union.....	10	115	145,130	14,447	207,443	462,912	255,460	538
Vermilion.....	42	332	304,360	19,100	5,970,411	7,492,371	1,515,060	5,162
Vernon.....	37	3,317	3,636,587	857,006	3,261,000	10,660,572	7,407,972	12,459
Washington.....	20	2,493	2,050,879	287,951	2,939,134	8,091,468	5,752,334	14,148
Webster.....	24	515	433,855	59,021	367,816	1,170,625	803,300	3,509
West Baton Rouge.....	15	625	421,576	146,938	1,064,661	8,278,324	1,313,763	5,893
West Carroll.....	9	201	183,950	2,289	179,017	763,068	583,451	635
Winn.....	16	873	959,922	38,162	852,356	2,722,268	1,869,430	3,061
All other parishes ¹	31	2,516	2,330,414	838,175	58,145,461	60,328,276	8,182,815	9,735

¹ All other parishes comprise Caldwell, Cameron, Catahoula, Madison, Red River, St. Bernard, Tensas, and West Feliciana.

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TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen-	Wage earners (average number).	PER CENT OF TOTAL.			INDUSTRY.	Cen-	Wage earners (average number).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.				Male.		Female.
			Male.	Female.	Male.				Male.	Female.	Male.
All industries.....	1919	98,265	89.3	9.5	1.2	Ice, manufactured.....	1919	785	97.7	0.5	1.8
	1914	77,665	91.5	6.9	1.6		1914	782	96.2	.....	3.8
	1909	76,165	92.1	5.0	2.0	Lumber and timber products.....	1919	42,194	99.7	0.2	0.1
Automobile repairing.....	1919	523	98.9	0.2	1.0		1914	42,169	99.6	(1)	0.3
	1914	17	100.0	.....	.....	Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,050	99.1	0.3	0.6
Bags, other than paper, not including bags made in textile mills.....	1910	634	33.6	62.3	4.1		1914	1,089	99.9	.....	0.1
	1914	713	46.6	45.3	8.1	Oil and cake, cottonseed.....	1919	1,605	98.6	3.4	.....
Boxes, wooden packing, except cigar boxes.....	1919	1,282	85.2	14.0	0.9		1914	1,127	98.7	1.3	.....
	1914	1,155	79.1	7.4	13.5	Petroleum, refining ²	1919	2,841	99.6	0.4	.....
Bread and other bakery products.....	1919	2,088	64.7	31.9	3.4	Printing and publishing, book and job.....	1919	795	79.2	18.1	2.6
	1914	1,440	82.3	14.0	2.8		1914	619	82.4	13.2	4.4
Cars and general shop construction and repairs by steam-railroad companies.....	1919	4,424	99.1	0.9	Printing and publishing, newspapers and periodicals.....	1919	711	76.9	11.0	12.1	
	1914	2,697	99.3	0.7		1914	641	90.8	4.7	4.5	
Clothing, men's.....	1919	999	11.9	85.4	2.7	Rice, cleaning and polishing.....	1919	1,121	99.6	0.2	0.2
	1914	775	9.4	89.9	0.6		1914	735	100.0	.....	.....
Confectionery and ice cream.....	1919	818	38.0	59.0	2.9	Shipbuilding, steel ²	1919	3,329	99.9	.....	0.1
	1914	297	42.8	52.9	4.4		1919	2,017	99.9	.....	0.1
Cooperage.....	1919	828	94.8	5.2	.....	Shipbuilding, wooden, including boat building.....	1914	419	99.3	.....	0.7
	1914	745	98.7	.....		Sugar, including refining.....	1919	7,698	90.6	8.7	0.7
Fertilizers.....	1919	584	88.5	11.5	.....		1914	4,798	97.1	1.6	1.3
	1914	408	99.8	.....		Tobacco, cigars and cigarettes ²	1919	2,171	18.8	69.6	11.5
Food preparations, not elsewhere specified.....	1919	1,760	72.2	27.0	0.8		1919	2,604	99.1	0.9	.....
	1914	904	74.2	21.4	4.3	Turpentine and rosin.....	1914	2,472	99.4	.....	0.6
Foundry and machine-shop products.....	1919	2,161	99.6	0.2	.....		1910	12,679	98.8	27.3	3.9
	1914	1,312	99.5	0.2			1914	11,914	96.5	28.6	4.9
Furniture.....	1919	564	82.3	16.1	1.6	All other industries.....	1910	12,679	98.8	27.3	3.9
	1914	347	97.7	0.3	2.0		1914	11,914	96.5	28.6	4.9

¹ Less than one-tenth of 1 per cent.² Not shown separately in 1914.

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.			
	Total.			16 years of age and over.						Under 16 years of age.						
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	
Alexandria.....	724	350	188	686	346	181	35	9	3	4	4	4	\$4,349,790	\$1,055,784	\$588,150	
Baton Rouge.....	500	358	355	465	331	829	35	17	20	10	6	6	3,604,282	1,122,086	652,415	
Lake Charles.....	1,222	1,101	736	1,149	1,082	730	35	7	2	38	12	4	8,290,789	3,683,363	2,250,073	
Monroe.....	745	600	406	733	596	403	12	2	1	11	2	2	4,159,104	1,123,176	985,736	
New Orleans.....	20,641	17,348	17,186	18,234	11,583	12,209	7,522	4,810	4,005	885	972	972	182,798,561	69,814,081	78,794,030	
Shreveport.....	2,127	1,539	1,114	2,034	1,489	1,105	66	45	6	27	5	3	12,876,467	6,250,231	3,642,609	

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			
	1919			1914				1919			1914			
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909	
January.....	93,443	78,445	71,118	79.4	96.6	77.5	July.....	95,429	77,889	73,270	81.1	95.9	79.8	
February.....	91,919	77,385	69,620	78.1	95.3	75.8	August.....	97,890	75,848	73,576	83.2	93.4	80.1	
March.....	89,172	78,311	72,237	75.8	96.5	78.7	September.....	98,868	75,188	74,272	84.0	92.6	80.9	
April.....	89,695	78,905	71,911	76.2	97.2	78.3	October.....	106,465	78,032	83,413	90.5	96.1	90.8	
May.....	91,541	78,604	70,050	77.8	94.4	76.3	November.....	117,665	81,183	90,630	100.0	100.0	98.7	
June.....	89,800	78,265	72,086	76.3	93.9	78.5	December.....	117,293	77,955	91,814	99.7	96.0	100.0	

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

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TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by italic figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum of maximum.
		Janu-	Febru-	March	April	May	June	July	August	Septem-	Octo-	Novem-	Decem-	
		ary.	ary.							ber.	ber.	ber.	ber.	
All industries	98,265	93,443	91,919	89,172	89,695	91,541	89,800	95,420	97,890	98,868	106,465	117,665	117,293	75.8
Males	88,259	84,108	82,583	79,886	80,180	81,009	80,423	86,013	88,539	88,901	95,753	105,290	105,370	75.8
Females	10,006	9,335	9,336	9,286	9,515	9,572	9,377	9,416	9,351	9,877	10,700	12,375	11,023	75.0
Automobile repairing	523	462	462	467	491	513	531	543	540	570	564	576	567	79.3
Bags, other than paper, not including bags made in textile mills	634	581	600	591	581	606	622	650	643	669	702	687	676	82.8
Boxes, wooden packing, except cigar boxes	1,282	1,397	1,423	1,349	1,259	1,223	1,168	1,308	1,290	1,198	812	1,264	1,705	77.8
Bread and other bakery products	2,088	2,023	2,020	1,902	2,010	2,015	2,005	2,042	2,090	2,180	2,208	2,208	2,283	88.0
Cars and general shop construction and repairs by steam-railroad companies	4,424	4,350	4,531	4,584	4,358	4,333	4,118	4,346	4,461	4,519	4,380	4,528	4,571	89.8
Clothing, men's	999	943	988	990	985	980	990	1,007	983	1,021	1,033	1,032	1,038	91.0
Confectionery and ice cream	818	782	839	803	846	781	719	731	762	855	900	890	840	79.9
Cooperative	828	730	822	817	820	820	829	879	903	910	877	817	870	73.6
Fertilizers	584	825	951	1,124	842	505	209	346	383	361	428	447	517	26.6
Food preparations, not elsewhere specified	1,760	2,082	2,028	1,818	1,605	1,619	1,444	1,580	1,450	1,710	1,910	1,005	1,011	69.4
Foundry and machine-shop products	2,161	1,862	1,753	1,831	2,006	2,245	2,106	2,413	2,440	2,308	2,303	2,331	2,334	71.8
Furniture	564	643	553	553	557	544	562	567	570	563	573	581	602	90.2
Ice, manufactured	785	600	509	631	759	843	908	1,008	988	951	775	673	630	59.7
Lumber and timber products	42,104	37,502	38,183	38,054	40,273	42,241	41,468	43,957	46,041	44,020	44,626	44,400	43,094	81.5
Lumber, planing-mill products, not including planing mills connected with sawmills	1,050	911	928	930	953	1,013	1,052	1,135	1,147	1,105	1,188	1,114	1,138	78.0
Oil and cake, cottonseed	1,605	1,875	1,885	1,543	1,309	1,183	1,222	1,295	1,271	1,071	2,070	2,014	2,083	53.8
Petroleum, refining	2,811	2,082	2,474	2,600	2,733	2,859	2,899	2,955	2,933	2,964	3,075	3,182	3,356	61.4
Printing and publishing, book and job	795	770	764	760	765	777	778	795	807	838	852	855	855	88.9
Printing and publishing, newspapers and periodicals	711	657	667	676	689	709	719	722	729	727	737	740	760	86.4
Rice, cleaning and polishing	1,121	1,410	1,131	739	637	702	634	893	728	1,083	1,881	1,857	1,777	20.9
Shipbuilding, steel	3,329	1,674	2,210	2,731	2,852	2,513	2,708	3,249	3,641	3,953	4,914	4,925	4,578	34.0
Shipbuilding, wooden, including boat building	2,017	3,412	3,165	2,190	2,142	1,555	1,000	2,105	1,573	1,547	1,748	1,433	1,428	41.9
Sugar, including refining	7,698	9,599	8,388	3,646	2,978	3,424	3,473	3,695	3,520	3,013	9,713	21,248	21,079	14.0
Tobacco, cigars and cigarettes	2,171	2,239	2,211	2,192	2,161	2,138	2,098	2,056	2,122	2,113	2,218	2,298	2,230	89.5
Turpentine and resin	2,604	2,281	2,401	2,536	2,533	2,005	2,522	2,639	2,655	2,637	2,795	2,806	2,835	78.8
All other industries	12,679	11,918	11,943	12,035	12,496	12,509	12,107	13,035	13,402	13,624	13,190	12,728	12,852	87.5
<i>Industries showing large proportion of females.</i>														
Bags, other than paper, not including bags made in textile mills	412	374	398	395	393	404	406	418	414	426	447	442	427	87.9
Boxes, wooden packing, except cigar boxes	179	203	205	214	185	156	139	155	158	165	145	203	223	61.0
Bread and other bakery products	718	699	703	687	697	681	684	705	718	759	768	763	88.7	
Clothing, men's	877	824	864	872	868	859	870	886	864	900	905	903	909	90.6
Confectionery and ice cream	505	509	556	504	528	455	415	599	431	518	563	579	543	68.9
Food preparations, not elsewhere specified	480	564	534	504	442	475	433	466	503	374	551	570	538	52.6
Furniture	91	93	93	93	90	88	92	91	90	86	89	94	93	91.5
Printing and publishing, book and job	144	147	136	135	153	137	139	137	138	144	157	164	161	81.1
Sugar, including refining	673	461	227	256	214	288	271	208	180	252	811	2,523	2,385	7.1
Tobacco, cigars, and cigarettes	1,754	1,813	1,782	1,773	1,754	1,733	1,682	1,645	1,703	1,703	1,800	1,854	1,800	88.7
Total for cities	31,050	29,567	29,759	30,333	30,334	30,336	30,295	31,892	32,622	33,821	34,524	35,077	35,158	88.5
Males	23,608	21,350	21,601	22,227	22,122	22,080	22,101	23,540	24,450	25,205	25,775	26,220	26,529	80.5
Females	8,351	8,007	8,158	8,106	8,212	8,256	8,194	8,352	8,172	8,520	8,740	8,851	8,620	90.5
ALEXANDRIA	724	703	601	605	684	609	685	683	670	760	802	874	823	69.7
Males	659	667	656	661	654	673	650	652	637	733	760	833	743	68.8
Females	35	36	35	34	30	36	35	31	33	36	33	41	40	73.2
BATON ROUGE	500	456	480	526	506	584	504	497	509	513	460	467	508	77.1
Males	465	477	441	489	480	548	406	403	470	480	424	430	457	76.1
Females	35	39	39	37	26	36	38	34	33	33	36	28	51	51.0
LAKE CHARLES	1,222	1,206	1,170	1,207	1,179	1,227	1,188	1,168	1,217	1,268	1,301	1,300	1,283	87.5
Males	1,186	1,174	1,137	1,175	1,145	1,191	1,100	1,130	1,177	1,228	1,265	1,265	1,248	
Females	36	32	33	32	34	36	38	38	40	40	30	35	35	80.0
MONROE	745	716	678	678	696	669	691	727	670	780	817	905	913	73.3
Males	733	704	666	666	654	657	679	715	658	768	805	893	901	72.9
Females	12	12	12	12	12	12	12	12	12	12	12	12	12	
NEW ORLEANS	20,041	21,181	24,559	25,038	25,175	25,239	25,309	26,785	27,403	28,349	28,014	29,335	29,365	82.2
Males	18,474	16,295	16,577	17,100	17,125	17,173	17,310	18,622	19,511	20,016	20,345	20,008	20,940	77.8
Females	8,187	7,850	7,982	7,932	8,050	8,066	7,900	8,103	7,982	8,333	8,500	8,667	8,425	90.4
SHREVEPORT	2,127	2,145	2,181	2,180	2,094	2,008	1,968	2,032	2,063	2,142	2,240	2,106	2,268	86.8
Males	2,061	2,093	2,124	2,130	2,034	1,988	1,896	1,958	1,991	2,070	2,170	2,128	2,200	86.2
Females	66	52	57	59	60	70	72	74	72	72	70	68	66	70.3

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TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	98,265	4,811	1,918	18,151	3,881	8,493	7,496	45,742	7,773
	1914	77,665	(2)	(2)	6,175	2,727	7,387	4,340	35,777	21,259
	1909	76,165	(2)	(2)	4,348	1,410	6,448	1,584	35,245	27,130
Automobile repairing.....	1919	523	—	3	125	4	191	13	148	39
	1914	17	(2)	(2)	13	—	—	—	2	2
Bags, other than paper, not including bags made in textile mills.....	1919	634	—	28	10	151	216	229	—	—
	1914	713	(2)	(2)	1	—	—	329	333	—
Boxes, wooden packing, except cigar boxes.....	1919	1,282	—	—	28	—	62	108	1,084	—
	1914	1,155	—	—	—	—	—	222	933	—
Bread and other bakery products.....	1919	2,088	12	—	487	72	622	364	261	270
	1914	1,440	(2)	(2)	74	16	23	131	489	707
Cars and general shop construction and repairs by steam-railroad companies.....	1919	4,424	—	945	2,832	—	35	446	120	46
	1914	2,697	(2)	(2)	230	438	1,821	82	54	72
Clothing, men's.....	1919	993	496	185	199	87	32	—	—	—
	1914	775	(2)	(2)	588	108	10	69	—	—
Confectionery and ice cream.....	1919	818	34	8	91	7	28	129	426	95
	1914	297	(2)	(2)	13	49	16	107	83	29
Cooperage.....	1919	828	6	61	39	68	339	65	241	9
	1914	745	(2)	(2)	286	8	69	310	68	4
Fertilizers.....	1919	584	—	—	—	—	146	334	—	104
	1914	408	—	—	—	—	97	102	—	209
Food preparations, not elsewhere specified.....	1919	1,760	55	122	46	449	563	340	185	—
	1914	994	(2)	(2)	25	2	195	9	702	1
Foundry and machine-shop products.....	1919	2,161	30	10	1,264	48	187	162	460	—
	1914	1,312	(2)	(2)	14	45	795	36	405	17
Furniture.....	1919	564	—	30	22	94	418	—	—	—
	1914	347	(2)	(2)	10	26	258	23	30	—
Ice, manufactured.....	1919	785	—	—	55	—	23	66	134	507
	1914	782	(2)	(2)	19	4	—	6	107	646
Lumber and timber products.....	1919	42,194	438	86	123	735	779	1,008	38,489	538
	1914	42,109	(2)	(2)	131	247	610	108	27,205	13,868
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,050	1	—	252	18	510	55	205	—
	1914	1,089	(2)	(2)	22	105	494	173	276	19
Oil and cake, cottonseed.....	1919	1,605	—	—	38	—	148	13	60	1,846
	1914	1,127	—	—	—	—	96	—	215	629
Petroleum, refining ³	1919	2,841	—	—	2,455	—	—	348	—	38
Printing and publishing, book and job.....	1919	795	25	1	578	32	96	56	7	—
	1914	610	(2)	(2)	361	33	221	2	2	—
Printing and publishing, newspapers and periodicals.....	1919	711	16	4	483	1	45	135	25	2
	1914	641	(2)	(2)	434	3	90	56	51	7
Rice, cleaning and polishing.....	1919	1,121	—	—	1	—	2	27	555	536
	1914	735	—	—	—	—	—	—	2	733
Shipbuilding, steel ³	1919	3,329	40	—	3,289	—	—	—	—	—
Shipbuilding, wooden, including boat building.....	1919	2,017	10	—	1,020	—	45	—	33	—
	1914	419	(2)	(2)	6	—	826	—	87	—
Sugar, including refining.....	1919	7,608	745	3	621	25	1,258	552	866	3,628
	1914	4,798	—	—	—	—	71	873	389	3,465
Tobacco, cigars and cigarettes ³	1919	2,171	668	98	75	855	484	9	4	—
Turpentine and rosin.....	1919	2,604	1,300	—	221	30	290	—	757	—
	1914	2,472	(2)	(2)	1,187	170	—	—	948	167
All other industries.....	1919	12,679	931	334	2,888	1,205	1,985	3,037	1,082	617
	1914	11,914	(2)	(2)	2,761	1,280	2,286	1,589	3,105	893
Total for cities.....	1919	31,959	2,162	1,813	11,088	2,898	4,491	4,254	3,746	1,507
	1914	21,314	(2)	(2)	3,801	1,917	5,788	2,695	5,027	2,086
ALEXANDRIA.....	1919	724	5	19	85	9	52	40	355	159
	1914	359	(2)	(2)	41	5	89	19	128	77
BATON ROUGE.....	1919	500	8	104	115	3	66	42	47	115
	1914	358	(2)	(2)	57	—	77	30	24	170
LAKE CHARLES.....	1919	1,222	4	—	92	—	127	26	66	7
	1914	1,101	(2)	(2)	62	55	190	7	600	127
MONROE.....	1919	745	1	—	285	16	42	59	113	229
	1914	609	(2)	(2)	87	2	274	17	165	64
NEW ORLEANS.....	1919	26,641	2,104	1,690	9,522	2,790	3,775	3,855	2,126	770
	1914	17,348	(2)	(2)	3,406	1,855	4,599	2,495	3,569	1,424
SHREVEPORT.....	1919	2,127	40	—	989	71	429	232	139	227
	1914	1,539	(2)	(2)	148	—	559	127	481	224

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Not shown separately in 1914.

MANUFACTURES—LOUISIANA.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE-EARNERS, FOR SELECTED INDUSTRIES
AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.	6 to 20 wage earners, inclusive.	21 to 50 wage earners, inclusive.	51 to 100 wage earners, inclusive.	101 to 250 wage earners, inclusive.	251 to 500 wage earners, inclusive.	501 to 1,000 wage earners, inclusive.	Over 1,000 wage earners.									
All industries.....	2,617	98,265	173	1,034	2,629	642	7,317	338	11,066	140	9,806	150	24,132	66	22,443	19	13,591	5	7,281	
Automobile repairing.....	128	523	10	91	238	25	237	2	48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bags, other than paper, not including bags made in textile mills.....	5	634	.....	.....	.....	1	10	1	28	3	506	.....	.....	.....	.....	.....	.....	.....	.....
Boxes, wooden packing, except cigar boxes.....	17	1,282	1	1	1	4	43	5	195	2	114	2	322	2	407	.....	.....	.....	.....
Bread and other bakery products.....	309	2,088	32	212	457	34	514	7	285	.....	.....	3	507	1	325	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	28	4,424	.....	.....	.....	8	64	8	221	3	232	5	830	4	1,270	2	1,798	.....	.....
Clothing, men's.....	16	999	.....	3	7	2	22	2	62	5	354	4	554	.....	.....	.....	.....	.....	.....
Confectionery and ice cream.....	41	818	1	22	72	13	134	2	95	3	517	.....	.....	.....	.....	.....	.....	.....	.....
Cooperage.....	19	828	.....	6	14	7	70	2	55	2	130	1	220	1	333	.....	.....	.....	.....
Fertilizers.....	6	584	.....	.....	.....	2	68	1	72	3	444	.....	.....	.....	.....	.....	.....	.....	.....
Food preparations, not elsewhere specified.....	42	1,760	3	19	58	7	68	5	137	2	122	4	614	2	701	.....	.....	.....	.....
Foundry and machine-shop products.....	90	2,161	2	36	122	28	314	13	411	5	334	6	980	1	286	.....	.....	.....	.....
Furniture.....	17	504	1	3	7	6	70	6	201	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ice, manufactured.....	70	785	1	19	73	43	462	7	250	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lumber and timber products.....	511	42,194	2	155	355	114	1,390	74	2,453	41	2,820	71	12,016	42	14,330	11	7,010	1	1,211	
Lumber, planing-mill products, not including planing mills connected with sawmills.....	51	1,050	1	17	42	18	231	11	360	2	160	2	257	.....	.....	.....	.....	.....	.....
Oil and cake, cottonseed.....	28	1,605	8	113	11	338	4	284	4	447	1	403	1	2,439
Petroleum, refining.....	10	2,841	.....	.....	.....	6	71	1	42	1	93	1	190	.....	.....	.....	.....	.....	.....
Printing and publishing, book and job.....	109	795	15	53	129	29	286	10	267	2	113	.....	.....	.....	.....	.....	.....	.....	.....
Printing and publishing, newspapers and periodicals.....	149	711	45	86	184	11	119	4	171	3	237	.....	.....	.....	.....	.....	.....	.....	.....
Rice, cleaning and polishing.....	46	1,121	7	6	12	7	90	23	748	2	142	1	120	.....	.....	.....	.....	.....	.....
Shipbuilding, steel.....	6	3,320	1	1	5	5	.....	1	40	.....	.....	1	114	2	725	.....	.....	2	2,550
Shipbuilding, wooden, including boat building.....	16	2,017	1	4	4	5	67	2	64	.....	.....	1	252	2	1,516	.....	.....	2	2,550
Sugar, including refining.....	192	7,698	2	47	80	57	741	55	1,860	10	1,101	10	1,490	4	1,345	1	1,072	.....	.....
Tobacco, cigars and cigarettes.....	46	2,171	7	21	50	7	56	3	82	3	282	1	170	3	1,020	1	511	.....	.....
Turpentine and rosin.....	33	2,604	.....	.....	.....	2	34	11	380	11	814	9	1,387	.....	.....	.....	.....	.....	.....
All other industries.....	632	12,679	42	282	719	182	2,111	70	2,196	35	2,402	10	2,327	2	768	3	2,156	.....	.....
Total for cities.....	1,141	31,059	89	475	1,245	317	3,514	137	4,474	56	3,905	45	6,913	14	4,884	6	4,405	2	2,550	
ALEXANDRIA.....	52	724	1	30	78	12	146	6	205	1	69	2	220	.....	.....	.....	.....	.....	.....
BATON ROUGE.....	50	500	3	26	61	15	168	5	167	.....	.....	1	104	.....	.....	.....	.....	.....	.....
LAKE CHARLES.....	45	1,222	2	20	41	13	137	6	183	2	148	1	235	1	478	.....	.....	.....	.....
MONROE.....	34	745	1	15	44	11	144	4	120	1	58	1	113	1	260	.....	.....	.....	.....
NEW ORLEANS.....	873	26,641	81	350	923	238	2,005	101	3,300	47	3,311	37	6,775	11	3,703	6	4,405	2	2,550	
SHREVEPORT.....	87	2,127	1	34	98	28	314	15	493	5	310	3	460	1	443	.....	.....	.....	.....

TABLE 11.—SIZE OF ESTABLISHMENTS BY VALUE OF PRODUCTS: 1919, 1914, AND 1909

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	2,617	2,211	2,516	98,265	77,665	76,165	\$670,180,770	\$255,312,618	\$223,948,688	\$244,785,903	\$97,420,021	\$80,093,868
Less than \$5,000.....	475	630	661	522	1,138	1,432	1,245,398	1,576,842	1,707,700	808,318	1,000,075	1,100,029
\$5,000 to \$20,000.....	719	628	814	2,651	3,832	5,703	7,913,113	6,591,301	8,933,602	4,430,050	3,780,309	5,013,465
\$20,000 to \$100,000.....	721	517	634	9,858	11,735	14,739	34,920,345	24,286,588	30,049,092	18,108,780	11,023,500	14,501,065
\$100,000 to \$500,000.....	441	351	494	{ 27,140	49,156	44,649	{ 108,104,027	79,876,410	{ 108,140,739	{ 50,435,014	{ 53,280,577	{ 49,290,737
\$500,000 to \$1,000,000.....	146	55	23	{ 22,217	{ 37,031,403	{ 418,361,893	{ 105,980,014	{ 75,417,505	{ 121,351,287	{ 27,435,104	{ 10,070,081	
\$1,000,000 and over.....	115	30	23	35,877	11,804	9,642						

PER CENT DISTRIBUTION

All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	18.2	28.5	26.3	0.5	1.5	1.9	0.2	0.6	0.8	0.3	1.0	1.2
\$5,000 to \$20,000.....	27.5	28.4	32.4	2.7	4.9	7.5	1.2	2.6	3.0	1.8	3.9	5.6
\$20,000 to \$100,000.....	27.6	23.4	25.2	10.0	15.1	19.4	5.2	0.5	13.4	7.4	12.2	16.4
\$100,000 to \$500,000.....	16.8	15.9	{ 15.3	{ 27.6	{ 63.3	{ 58.6	{ 16.0	{ 31.3	{ 48.3	{ 20.6	{ 54.7	{ 55.3
\$500,000 to \$1,000,000.....	5.6	2.5					15.6	14.5		20.3		
\$1,000,000 and over.....	4.4	1.4	0.9	36.5	15.2	12.7	61.9	41.5	33.7	40.6	28.2	21.4

MANUFACTURES—LOUISIANA.

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TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.					
	1919		1914		Percent distribution.		1919		1914		Percent distribution.		1919		1914		Percent distribution.	
	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914
BREAD AND OTHER BAKERY PRODUCTS.....	800	284	100.0	100.0	2,088	1,440	100.0	100.0	\$12,673,135	\$4,978,175	100.0	100.0	\$4,540,840	\$2,185,272	100.0	100.0	100.0	100.0
Less than \$5,000.....	34	87	11.0	30.6	20	93	1.0	6.5	106,570	272,536	0.8	5.5	41,530	117,127	0.9	5.4	31.6	31.6
\$5,000 to \$20,000.....	153	151	49.5	53.2	252	455	12.1	31.6	1,769,410	1,537,595	14.0	30.9	608,723	690,495	13.4	31.4	31.6	31.6
\$20,000 to \$100,000.....	107	38	34.6	13.4	642	329	30.7	22.8	4,474,935	1,403,653	35.3	28.2	1,451,020	549,876	32.0	25.2	32.0	32.0
\$100,000 to \$500,000.....	11	8	3.6	2.8	342	563	16.4	39.1	2,724,715	1,764,301	21.5	35.4	837,666	827,774	18.4	37.9	35.3	35.3
\$500,000 and over.....	4	1	1.3	.....	832	39.8	.....	.....	3,597,505	28.4	.....	.....	1,601,301	.....	35.3	.....	35.3	.....
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.....	28	26	100.0	100.0	4,424	2,697	100.0	100.0	9,519,059	3,042,318	100.0	100.0	6,720,531	1,965,449	100.0	100.0	100.0	100.0
Less than \$20,000.....	3	9	10.7	34.6	30	116	0.7	4.3	49,610	1,08,607	0.5	3.2	33,283	159,495	0.5	3.0	3.0	3.0
\$20,000 to \$100,000.....	11	8	30.3	30.8	256	320	5.8	11.9	504,947	387,100	5.3	12.7	348,850	244,725	5.2	12.5	12.5	12.5
\$100,000 to \$500,000.....	7	2	25.0	.....	947	2,261	21.4	.....	1,873,359	1,091,143	19.7	.....	1,434,969	2,556,611	21.4	.....	21.4	.....
\$500,000 and over.....	7	3	25.0	34.6	3,191	2,261	72.1	83.8	7,091,433	74.5	84.0	4,903,428	21,661,229	73.0	84.5	84.5	.....
COFFEE AND SPICE, ROASTING AND GRINDING.....	29	17	100.0	100.0	271	302	100.0	100.0	7,935,101	4,240,550	100.0	100.0	2,136,728	1,541,040	100.0	100.0	100.0	100.0
Less than \$20,000.....	8	7	27.6	.....	13	.....	4.8	.....	70,544	1,279,874	1.0	.....	24,031	.....	1.1	.....	1.1	.....
\$20,000 to \$100,000.....	9	8	31.0	47.1	32	436	11.8	11.9	504,753	2,202,201	6.4	6.6	114,768	72,534	5.4	4.7	4.7	4.7
\$100,000 to \$500,000.....	8	4	27.6	52.9	104	4,266	88.1	.....	5,058,603	4,960,076	28.9	93.4	512,786	1,463,486	24.0	95.3	95.3	95.3
\$500,000 and over.....	4	1	13.8	.....	122	45.0	.....	.....	.....	63.7	.....	1,485,143	.....	69.5	.....	69.5	.....
CONFECTORY AND ICE CREAM.....	41	25	100.0	100.0	818	297	100.0	100.0	5,086,473	1,188,040	100.0	100.0	2,020,184	585,857	100.0	100.0	100.0	100.0
Less than \$20,000.....	15	18	36.6	72.0	35	49	4.3	16.5	148,581	134,157	2.9	11.8	67,612	63,380	3.3	10.8	10.8	10.8
\$20,000 to \$100,000.....	15	3	36.6	12.0	114	20	13.9	6.7	664,034	187,278	13.0	16.5	256,239	86,736	12.7	14.8	14.8	14.8
\$100,000 to \$500,000.....	8	4	19.5	16.0	152	228	18.6	76.8	1,704,830	811,605	33.5	50.6	539,893	435,741	26.7	74.4	74.4	74.4
\$500,000 to \$1,000,000.....	3	1	7.3	.....	517	63.2	.....	.....	2,579,028	.....	.....	1,150,435	.....	57.2	.....	57.2	.....
FOOD PREPARATIONS, NOT ELSEWHERE SPECIFIED.....	42	30	100.0	100.0	1,760	994	100.0	100.0	34,405,973	11,714,543	100.0	100.0	7,330,452	2,758,518	100.0	100.0	100.0	100.0
Less than \$5,000.....	3	7	7.1	23.3	2	6	0.1	0.6	7,920	22,228	(3)	0.2	2,453	10,643	(5)	0.4	0.4	0.4
\$5,000 to \$20,000.....	8	9	10.0	30.0	16	36	0.9	3.6	88,492	83,574	0.2	0.7	29,194	31,635	0.4	1.1	1.1	1.1
\$20,000 to \$100,000.....	14	9	33.3	30.0	67	205	3.8	20.6	580,025	490,596	1.7	4.2	196,603	218,498	2.7	7.9	7.9	7.9
\$100,000 to \$500,000.....	7	4	16.7	16.7	270	474	15.3	75.2	1,404,263	11,118,145	4.1	94.9	297,933	1,2,497,745	4.1	90.5	90.5	90.5
\$500,000 to \$1,000,000.....	4	1	9.5	.....	151	8.6	.....	.....	3,084,035	9.0	.....	.....	362,010	.....	4.0	.....	4.0	.....
\$1,000,000 and over.....	6	1	14.3	.....	1,254	71.2	.....	.....	29,245,838	85.0	.....	.....	6,442,199	87.9	.....	.....	87.9	.....
FOUNDRY AND MACHINE-SHOP PRODUCTS.....	90	60	100.0	100.0	2,161	1,312	100.0	100.0	10,697,272	3,169,623	100.0	100.0	6,429,701	1,837,887	100.0	100.0	100.0	100.0
Less than \$20,000.....	9	10	10.0	16.7	12	20	0.6	1.5	26,843	26,899	0.3	0.8	20,917	18,371	0.3	1.0	1.0	1.0
\$20,000 to \$100,000.....	21	26	23.3	43.3	72	203	3.3	15.5	219,594	337,473	2.1	10.6	145,481	227,776	2.3	12.4	12.4	12.4
\$100,000 to \$500,000.....	40	18	44.4	30.0	488	409	22.4	31.2	1,805,025	881,443	10.9	27.8	1,167,133	570,322	18.1	31.0	31.0	31.0
\$500,000 and over.....	14	6	15.6	10.0	613	680	28.4	51.8	3,442,697	1,923,808	32.2	60.7	1,965,620	1,021,418	30.5	55.6	55.6	55.6
LUMBER AND TIMBER PRODUCTS.....	511	454	100.0	100.0	42,104	42,169	100.0	100.0	120,716,435	62,077,811	100.0	100.0	88,613,524	37,060,940	100.0	100.0	100.0	100.0
Less than \$5,000.....	94	112	18.4	24.7	124	267	0.8	0.6	235,291	219,842	0.2	0.4	183,383	164,170	0.2	0.4	0.4	0.4
\$5,000 to \$20,000.....	137	100	19.6	20.7	686	1,065	1.0	2.5	1,110,148	1,027,252	0.9	1.7	822,939	680,371	1.0	1.8	1.8	1.8
\$20,000 to \$100,000.....	103	117	26.8	22.0	3,184	4,109	7.9	9.7	7,010,102	4,510,029	5.8	7.9	4,842,052	3,180,845	5.8	8.6	8.6	8.6
\$100,000 to \$500,000.....	40	24	20.2	25.8	11,374	237	27.0	31.2	1,975,014	24,495,408	20.7	45.9	17,025,306	22,387,175	21.4	71.6	71.6	71.6
\$500,000 to \$1,000,000.....	31	7	6.1	1.5	15,503	2,013	26.7	31.2	32,633,529	1,180,921	27.0	20.1	22,550,801	6,475,744	26.8	44.8	44.8	44.8
\$1,000,000 and over.....	8	1	31.4	17.0	708	577	73.1	63.0	54,746,351	11,243,109	45.4	18.1	37,452,609	6,475,744	44.8	77.5	77.5	77.5
LUMBER, PLANING-MILL PRODUCTS, NOT INCLUDING PLANING MILLS CONNECTED WITH SAWMILLS.....	51	47	100.0	100.0	1,050	1,080	100.0	100.0	5,570,041	2,828,808	100.0	100.0	2,169,048	1,118,870	100.0	100.0	100.0	100.0
Less than \$5,000.....	6	8	11.8	17.0	5	18	0.5	1.5	19,677	19,130	0.4	0.7	9,382	11,199	0.4	1.0	1.0	1.0
\$5,000 to \$20,000.....	11	21	21.6	21.3	40	67	3.8	6.2	139,503	120,915	2.5	4.3	72,349	67,084	3.3	6.0	6.0	6.0
\$20,000 to \$100,000.....	18	21	35.3	44.7	237	420	22.0	39.4	1,023,183	1,006,340	18.4	33.8	421,411	494,086	19.4	44.2	44.2	44.2
\$100,000 and over.....	16	8	31.4	17.0	708	577	73.1	63.0	4,387,678	1,592,488	78.8	56.3	1,065,906	545,951	76.8	48.8	48.8	48.8
OIL AND CAKE, COTTONSEED.....	28	37	100.0	100.0	1,005	1,127	100.0	100.0	57,161,578	18,106,257	100.0	100.0	6,997,134	1,940,906	100.0	100.0	100.0	100.0
Less than \$500,000.....	15	38	53.6	80.2	322	783	20.1	69.5	4,205,734	5,514,610	7.4	30.5	806,749	703,013	11.5	40.9	40.9	40.9
\$500,000 to \$1,000,000.....	4	14.3	14.3	10.8	212	344	13.2	30.5	3,483,597	49,470,197	6.1	69.5	458,521	1,147,893	6.9	59.1	59.1	59.1
\$1,000,000 and over.....	9	4	32.1	10.8	1,071	68.7	30.5	49,470,197	12,691,647	86.5	69.5	5,704,864	1,147,893	81.5	59.1	59.1	59.1	
RICE, CLEANING AND POLISHING.....	46	24	100.0	100.0	1,121	735	100.0	100.0	41,220,471	12,966,690	100.0	100.0	5,203,061	1,272,660	100.0	100.0	100.0	100.0
Less than \$20,000.....	9	.....	19.6	.....	4	.....	0.4	.....	87,418	.....	0.2	.....	52,188	.....	1.0	.....	1.0	.....
\$20,000 to \$100,000.....	3	.....	6.5	.....	4	.....	0.4	.....	128,270	.....	0.3	.....	60,533	.....	1.2	.....	1.2	.....
\$100,000 to \$500,000.....	6	7	13.0	54.2	57	7215	5.1	29.3	1,789,288	7,344,522	4.3	26.6	211,707	7,378,781	4.1	29.8	29.8	29.8
\$500,000 to \$1,000,000.....	5																	

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ALEXANDRIA.....	52	724	100.0	\$4,349,790	100.0	\$1,316,984	100.0	MONROE.....	34	745	100.0	\$4,159,104	100.0	\$1,327,305	100.0
Less than \$5,000.....	8	9	1.2	25,541	0.6	16,337	1.2	Less than \$5,000.....	4	3	0.4	8,930	0.2	4,934	0.4
\$5,000 to \$20,000.....	20	69	9.5	213,188	4.9	114,931	8.7	\$5,000 to \$20,000.....	10	34	4.6	125,935	3.0	70,064	6.0
\$20,000 to \$100,000.....	17	273	37.7	1,035,340	23.8	462,059	34.6	\$20,000 to \$100,000.....	13	183	24.6	620,173	14.9	342,112	25.8
\$100,000 to \$500,000.....	4	105	14.5	586,583	13.5	200,843	15.2	\$100,000 and over.....	7	525	70.5	3,404,066	81.8	901,235	67.9
\$500,000 and over.....	3	268	37.0	2,489,188	57.2	522,814	39.7	NEW ORLEANS.....	873	26,641	100.0	182,708,561	100.0	60,490,062	100.0
BATON ROUGE.....	50	500	100.0	3,604,282	100.0	1,082,770	100.0	Less than \$5,000.....	132	106	0.4	340,767	0.2	225,402	0.3
Less than \$5,000.....	14	20	4.0	36,168	1.0	21,168	2.0	\$5,000 to \$20,000.....	236	768	2.9	2,604,412	1.5	1,530,056	2.2
\$5,000 to \$20,000.....	14	45	9.0	183,406	5.1	91,743	8.5	\$20,000 to \$100,000.....	281	2,790	10.5	13,494,147	7.4	6,308,252	9.1
\$20,000 and over.....	22	435	87.0	3,384,708	93.0	969,888	89.0	\$100,000 to \$500,000.....	150	6,594	24.8	35,112,852	10.2	14,625,507	21.0
LAKE CHARLES.....	45	1,222	100.0	8,290,789	100.0	2,965,320	100.0	\$500,000 to \$1,000,000.....	38	5,001	21.0	29,109,684	15.0	13,870,344	20.0
Less than \$5,000.....	11	10	0.8	33,239	0.4	17,115	0.6	\$1,000,000 and over.....	36	10,782	40.5	102,046,699	55.8	32,915,381	47.4
\$5,000 to \$20,000.....	12	61	5.0	150,024	1.8	81,444	2.7	SHREVEPORT.....	87	2,127	100.0	12,870,407	100.0	5,000,155	100.0
\$20,000 to \$100,000.....	13	194	15.9	785,715	9.5	429,573	14.5	Less than \$5,000.....	5	10	0.5	15,345	0.1	11,800	0.2
\$100,000 to \$500,000.....	5	367	30.0	1,079,493	13.0	481,252	16.2	\$5,000 to \$20,000.....	20	79	3.7	248,528	1.0	150,745	2.8
\$500,000 and over.....	4	590	48.3	6,239,318	75.3	1,956,936	66.0	\$20,000 to \$100,000.....	34	846	16.3	1,001,388	12.4	929,419	16.6
								\$100,000 to \$500,000.....	19	580	27.0	4,674,393	36.3	2,117,080	37.7
								\$500,000 and over.....	9	1,106	52.0	6,330,813	40.2	2,304,021	42.7

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914

INDUSTRY AND CITY.	Cen- sus year.	AVERAGE NUMBER OF WAGE EARNERS.												VALUE OF PRODUCTS.									
		NUMBER OF ESTABLISHMENTS OWNED BY—			In establishments owned by—			Per cent of total.			Total.			Of establishments owned by—			Per cent of total.						
		Indi- viduals.	Cor- pora- tions.	All oth- ers.	Total.	Indi- viduals.	Cor- pora- tions.	All oth- ers.	Indi- viduals.	Cor- pora- tions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- viduals.	Cor- pora- tions.	All oth- ers.	Indi- viduals.	Cor- pora- tions.	All oth- ers.		
All industries.....	1919	1,103	1,118	396	98,265	6,115	80,357	5,793	6.2	87.9	5.9	\$876,189,770	\$30,568,791	\$60,292,719	\$36,328,260	4.5	90.1	5.4					
	1914	975	900	336	77,005	6,083	60,204	5,288	7.8	85.4	6.8	255,312,648	14,555,127	222,508,108	18,180,413	5.7	87.2	7.1					
	1909	1,143	910	463	76,105	8,423	61,561	6,181	11.1	80.8	8.1	223,948,038	21,241,076	183,303,633	10,403,029	9.5	81.8	8.7					
Bread and other bakery products.	1919	252	25	32	2,088	782	1,125	181	37.5	53.9	8.7	12,673,135	5,606,917	5,713,018	1,263,200	45.0	45.1	10.0					
	1914	240	10	34	1,440	736	618	186	51.1	36.0	12.9	4,978,175	2,083,111	1,540,558	745,506	53.9	31.1	15.0					
Cars and general shop construction and repairs by steam-railroad companies.	1919	28	-----	4,424	-----	4,424	-----	100.0	-----	-----	-----	9,510,059	-----	9,510,059	-----	-----	100.0	-----	-----	-----	-----	-----	
	1914	26	-----	2,697	-----	2,697	-----	100.0	-----	-----	-----	3,042,318	-----	3,042,318	-----	-----	100.0	-----	-----	-----	-----	-----	
Coffee and spice, roasting and grinding.	1919	9	19	1	271	131	240	-----	11.4	88.6	-----	7,935,101	1,432,015	7,503,086	-----	5.4	94.0	-----					
	1914	5	12	-----	302	17	285	-----	5.6	94.4	-----	4,240,550	118,748	4,121,802	-----	2.8	97.2	-----					
Confectionery and ice cream.	1919	16	19	6	818	99	689	30	12.1	84.2	3.7	5,098,473	632,097	4,201,027	173,340	12.4	84.2	3.4					
	1914	14	7	4	297	51	236	10	17.2	79.5	3.4	1,133,040	205,361	904,470	23,200	18.1	70.8	2.0					
Fertilizers.....	1910	6	-----	584	-----	584	-----	100.0	-----	-----	-----	4,197,285	-----	4,197,285	-----	-----	100.0	-----	-----	-----	-----	-----	
	1914	6	-----	408	-----	408	-----	100.0	-----	-----	-----	2,818,455	-----	2,818,455	-----	-----	100.0	-----	-----	-----	-----	-----	
Food preparations, not elsewhere specified.	1919	12	19	11	1,760	68	1,612	80	3.9	91.6	4.5	34,405,973	2,316,902	30,694,927	1,394,084	0.7	80.2	4.1					
	1914	13	11	6	994	64	890	40	6.4	89.5	4.0	11,714,543	263,365	11,292,410	168,768	2.2	96.4	1.4					
Foundry and machine-shop products.	1919	41	38	11	2,161	475	1,554	132	22.0	71.9	6.1	10,067,272	2,251,059	7,804,740	551,473	21.0	73.8	5.2					
	1914	25	27	8	1,812	316	943	53	24.1	71.9	4.0	3,169,623	702,260	2,297,323	110,040	21.0	72.5	3.5					
Lumber and timber products.	1910	165	246	100	42,194	1,531	38,417	2,246	3.6	91.0	5.3	120,716,435	3,495,457	111,037,309	5,583,579	2.9	92.5	4.6					
	1914	145	231	78	42,160	1,597	38,615	1,957	3.8	91.6	4.6	62,077,011	1,712,742	67,870,476	2,404,303	2.8	93.2	4.0					
Lumber, planing-mill products, not including planing mills connected with sawmills.	1910	16	31	4	1,050	132	853	65	12.6	81.2	6.2	5,570,041	701,267	4,618,040	250,734	12.0	82.9	4.5					
	1914	16	23	8	1,089	80	910	99	7.3	83.6	9.1	2,828,808	240,043	2,409,050	170,160	8.5	85.2	0.3					
Printing and publishing, newspapers and periodicals.	1919	78	44	27	711	149	480	73	21.0	68.8	10.3	4,979,417	430,467	4,310,214	238,736	8.6	80.6	4.8					
	1914	108	47	29	641	168	412	61	26.2	64.3	9.5	2,619,924	318,108	2,175,730	120,086	12.1	83.0	4.8					
Rice, cleaning and polishing.	1919	12	30	4	1,121	34	1,030	57	3.0	91.9	5.1	41,220,471	1,935,243	36,808,316	2,476,012	4.7	80.3	6.0					
	1914	1	21	2	735	-----	659	78	-----	89.7	10.3	12,960,690	-----	10,983,409	1,983,281	-----	84.7	15.3					
Sugar, including refining.....	1910	56	103	33	7,698	560	6,014	1,124	7.3	78.1	14.6	141,842,924	4,374,140	120,230,630	17,232,145	3.1	84.8	12.1					
	1914	48	90	33	4,798	345	6,289	664	17.6	68.5	13.8	57,948,322	3,691,983	47,339,195	6,917,144	6.4	81.7	11.9					
Total for cities.....	1910	469	509	103	31,059	2,553	27,154	2,252	8.0	85.0	7.0	216,078,903	15,423,753	180,113,340	20,541,801	7.1	83.4	0.5					
	1914	447	384	131	21,314	2,519	16,500	2,295	11.8	77.4	10.8	83,059,221	7,230,261	64,688,813	11,131,147	8.7	77.9	13.4					
ALEXANDRIA.....	1919	22	23	7	724	110	558	50	15.2	77.1	7.7	4,340,790	302,164	3,730,969	250,057	8.3	85.0	5.8					
	1914	22	14	6	350	82	241	36	22.8	77.1	10.0	1,055,784	192,400	715,880	147,486	18.2	97.8	14.0					
BATON ROUGE.....	1919	25	17	8	500	99	359	42	19.8	71.8	8.4	3,604,282	402,409	2,967,376	244,407	11.2	82.0	6.8					
	1914	22	12	8	358	80	236	42	22.8	65.9	11.7	1,122,086	210,203	770,000	120,283	19.3	60.5	11.3					
LAKE CHARLES.....	1919	14	25	6	1,222	33	1,155	34	2.7	94.5	2.8	8,290,789	200,712	7,000,049	90,428	2.4	90.4	1.2					
	1914	19	21	4	1,101	43	966	92	3.0	87.7	8.4	3,688,863	105,153	3,424,210	150,500	2.9	92.8	4.3					
MONROE.....	1910	18	13	8	745	68	618	59	9.1	88.0	7.9	4,169,104	264,330	3,401,407	403,277	6.4	83.0	0.7					
	1914	13	12	3	609	46	543	20	7.6	89.2	3.3	1,128,176	94,811	967,994	66,271	8.4	85.7	5.0					
NEW ORLEANS.....	1919	363	378	127	26,641	2,117	22,517	2,067	7.9	84.5	7.5	182,708,561	13,540,104	150,065,817	10,192,610	7.4	82.1	10.5					
	1914	340	290	103	17,348	2,169	13,111	2,068	12.5	75.6	11.9	69,814,081	6,308,349	53,209,793	10,205,969	9.0	76.2	11.7					
SHREVEPORT.....	1919	27	53	7	2,127	126	1,947	54	5.9	91.5	2.5	12,876,467	644,034	11,871,041	351,392	5.1	92.2	2.7					
	1914	31	35	7	1,539	99	1,403	37	6.4	91.2	2.4	6,250,281	322,336	5,502,257	335,638	5.2	80.5	5.4					

¹ Includes the group "All others."

² Includes the group "Individuals."

MANUFACTURES—LOUISIANA.

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TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.
Number of places.....	1919		6		4		1		1			
	1914		6		4		1		1			
	1909		0		4		1		1			
Population ¹	1920	1,798,500	496,148	27.6	65,055	3.6	43,874	2.4	387,219	21.5	1,302,361	72.4
	1915	1,773,482	450,403	25.4	55,276	3.2	32,906	1.9	361,221	20.4	1,323,079	74.6
	1910	1,656,388	414,858	25.0	47,768	2.9	28,015	1.7	339,075	20.5	1,241,530	75.0
Number of establishments.....	1919	2,617	1,141	43.6	181	6.9	87	3.3	873	33.4	1,476	56.4
	1914	2,211	962	43.5	156	7.1	73	3.3	733	33.2	1,249	56.5
	1909	2,516	1,021	40.6	112	4.5	61	2.4	848	33.7	1,495	59.4
Average number of wage earners.....	1919	98,265	31,959	32.5	3,191	3.2	2,127	2.2	26,641	27.1	66,306	67.5
	1914	77,665	21,314	27.4	2,427	3.1	1,539	2.0	17,348	22.3	56,351	72.6
	1909	76,165	19,985	26.2	1,685	2.2	1,114	1.5	17,188	22.6	56,180	73.8
Value of products.....	1919	\$676,189,770	\$216,078,603	32.0	\$20,403,965	3.0	\$12,876,407	1.9	\$182,798,561	27.0	\$460,110,777	68.0
	1914	255,312,648	83,059,221	32.5	6,994,900	2.7	6,250,231	2.4	69,814,081	27.3	172,253,427	67.5
	1909	223,948,638	86,861,922	38.8	4,425,283	2.0	3,642,809	1.6	78,794,030	35.2	137,080,716	81.2
Value added by manufacture.....	1919	244,785,903	81,791,695	33.4	6,692,478	2.7	5,809,155	2.3	69,490,062	28.4	162,994,208	66.8
	1914	97,426,621	34,616,838	35.5	2,910,930	3.0	2,453,314	2.5	29,252,594	30.0	62,809,783	61.5
	1909	89,083,863	33,625,828	37.7	2,009,984	2.3	1,553,873	1.7	30,061,971	33.7	55,458,035	62.3

¹ Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN NEW ORLEANS (THE ONLY CITY IN THE STATE HAVING 50,000 INHABITANTS OR MORE), WITH PER CENT OF TOTAL FOR STATE: 1919.

INDUSTRY.	VALUE OF PRODUCTS.				INDUSTRY.	VALUE OF PRODUCTS.				
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.		
			Amount.	Per cent.				Amount.	Per cent.	
Bags, other than paper, not including bags made in textile mills.....	\$18,310,111	100.0	\$10,506,089	134.8	Printing and publishing, book and job.	\$2,451,384	88.4	\$1,291,323	111.3	
Rice, cleaning and polishing.....	12,018,030	31.3	7,434,635	135.6	Ice, manufactured.....	2,066,549	51.8	1,255,004	154.5	
Food preparations, not elsewhere specified.....	11,522,234	33.5	10,875,221	1,680.8	Furniture.....	1,915,393	100.0	1,150,795	152.4	
Bread and other bakery products.....	9,209,038	72.7	5,723,120	164.2	Mattresses and spring beds, not elsewhere specified.....	1,280,589	79.1	655,203	104.8	
Tobacco, cigars and cigarettes.....	8,212,271	90.0	(1)	(1)	Copper, tin, and sheet-iron work.....	1,250,405	59.5	454,959	55.1	
Coffee and spice, roasting and grinding.....	7,038,851	96.3	(1)	(1)	Clothing, women's.....	1,095,053	100.0	885,759	423.3	
Foundry and machine-shop products.....	6,697,455	62.6	4,947,065	282.6	Boots and shoes.....					
Liquors, malt.....	5,777,944	100.0	(1)	.....	Cotton goods.....				
Cars and general shop construction and repairs by steam-railroad companies.....	4,310,476	45.3	3,260,616	310.6	Gas, illuminating and heating.....					
Confectionery and ice cream.....	4,180,242	82.0	(1)	(1)	Knit goods.....					
Printing and publishing, newspapers and periodicals.....	3,450,454	60.3	1,608,006	87.3	Liquors, distilled, grain alcohol.....					
Lumber, planing-mill products, not including planing mills connected with sawmills.....	3,089,611	55.5	1,652,561	115.1	Lumber and timber products.....					
Clothing, men's.....	3,032,589	100.0	1,751,107	136.6	Oil and cake, cottonseed.....					
Boxes, wooden packing, except cigar boxes.....	2,903,050	60.6	1,722,223	145.8	Oil, vegetable and mineral.....					

¹ Figures can not be shown without disclosing individual operations.

MANUFACTURES—LOUISIANA.

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	8,065	5,759	6,123	388,605	355,193	346,052	100.0	100.0	100.0
Owned.....	3,671	3,771	4,673	346,142	338,185	337,342	89.1	95.2	97.3
Steam ¹	3,079	3,345	4,388	322,154	328,718	333,771	85.5	92.5	98.3
Engines.....	3,023	(2)	(2)	316,084	(2)	(2)	81.5	-----	-----
Turbines.....	56	(2)	(2)	15,470	(2)	(2)	4.0	-----	-----
Internal-combustion engines.....	587	406	284	13,923	8,020	3,400	3.6	2.3	1.0
Water.....	5	20	6	60	1,447	75	(3)	0.4	(3)
Water wheels and turbines.....	5	8	2	60	53	65	(3)	(3)	(3)
Water motors.....		12	4		1,389	10	-----	0.4	(3)
Rented.....	4,894	1,988	1,445	42,403	17,008	9,310	10.9	4.8	2.7
Electric.....	4,394	1,988	1,445	41,091	16,580	9,077	10.6	4.7	2.6
Other.....				1,372	428	233	0.4	0.1	0.1
Electric.....	6,361	3,545	2,334	84,204	50,006	27,139	100.0	100.0	100.0
Rented.....	4,394	1,988	1,445	41,091	16,580	9,077	48.8	33.2	33.4
Generated by establishments reporting.....	1,967	1,557	889	43,113	33,420	18,062	51.2	66.8	66.0

¹ Figures for horsepower include for 1909 the amounts reported under the head of "Other" owned power.² Not reported separately.³ Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 lbs.).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 lbs.).	Bituminous (tons, 2,000 lbs.).					
		1919	1914	1919	1914	1919	
All industries.....	4,955	474,133	101,698	2,855,514	53,204	24,181,161	
Per cent of increase ²	13,749	606,750	25,621	1,931,340	(1)	1,748,117	
Bone and carbon black.....	489	10,048	1,349	1,020	643	20,016,072	
Bread and other bakery products.....		909	168	51,030	30	25,414	
Brick.....	65	14,008	141	51,050	20,400	55,228	
Cars and general shop construction and repairs by steam-railroad companies.....		7,242			272,848		
Fertilizers.....					31,500		
Food preparations, not elsewhere specified.....	342	6,761	861	71,236	420	7,387	
Foundry and machine-shop products.....	21	6,421	4,336	4,636	1,475	38,892	
Gas, illuminating and heating.....		24,488	32,817	143,407			
Ice, manufactured.....		61,207	263	175,832	152	610,288	
Liquors, distilled, grain alcohol.....		1,513		137,052			
Liquors, malt.....		13,107		22,108			
Lumber and timber products.....	1,550	72,006	48,771	5,195			
Oil and cake, cottonseed.....		50,870	60,497	2		538,107	
Paper and wood pulp.....		650	85,023				
Petroleum, refining.....			278,340			1,010,816	
Rice, cleaning and polishing.....	703	9,143	22,298	220			
Shipbuilding, steel.....	14	9,308	995	10,008	1,689	1,053	
Sugar, including refining.....	1,233	123,544	112	1,612,059	3,251	164,277	
Wood preserving.....		12,090		15,000		62,071	
All other industries.....	503	50,698	2,710	62,522	19,619	437,218	
Total for cities.....	1,698	175,658	41,284	531,768	2,412	9,618,031	
ALEXANDRIA.....		46	570	405	43		
BATON ROUGE.....		68	9,555	340	12,112	7,076	
LAKE CHARLES.....			11	108	25,138	1,755	
MONROE.....			173	150		9	
NEW ORLEANS.....		1,584	165,297	40,171	480,814	2,100	8,403,081
SHEVEPORT.....			52	5	3,551	10	44,150
							1,101,960

¹ Included in figures for fuel oils.² A minus sign (—) denotes decrease.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for seven of these industries for Louisiana are here presented.

Sugar, including refining (Table 19).—In order to avoid disclosing the operations of individual establishments, it was necessary to combine the data for cane sugar and sugar refining for 1919 and 1914. These combined figures are presented in the table.

The total cost of materials for the combined industry in 1919 was \$121,240,017, compared with \$48,576,660 in 1914. The value of products increased from \$57,948,322 in 1914 to \$141,842,924 in 1919. There is a certain unavoidable duplication in this item, due to the fact that a large part of the sugar which, in raw form, is the product of the cane-sugar factories also represents, in refined form, the product of the refineries. The value of the raw sugar purchased by the refineries from the cane-sugar factories would have to be deducted from the total given in order to obtain the net value of products of the two industries considered as one. This amount can not be shown, however, without disclosing the operations of individual establishments.

TABLE 19.—SUGAR, INCLUDING REFINING: 1919 AND 1914.

	1919	1914
Materials, total cost.....	\$121,240,017	\$48,576,660
Products, total value.....	141,842,924	57,948,322
Sugar:		
Quantity (tons).....	690,848	700,504
Value.....	\$128,590,039	\$54,659,793
Molasses:		
Quantity (gallons).....	21,056,549	26,935,933
Value.....	\$6,007,504	\$2,911,105
Sirup:		
Quantity (gallons).....	10,339,873	20,194,584
Value.....	\$2,050,747	\$377,424
All other products, value.....		

Lumber and timber products (Tables 20 and 21).—These tables present statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. This is one of the oldest manufacturing industries in the state, its period of greatest development, however, has been since 1899. Louisiana has ranked second in the production of lumber since 1906, with the exception of 1914. For that year the cut reported was greater than that for any other state.

In 1919 Louisiana led in the production of yellow pine, cypress, and tupelo lumber. The cut of yellow pine was 2,470,407,000 feet, board measure, or 18.9

per cent of the total cut of yellow pine lumber in the United States and 78.1 per cent of the total cut of lumber from all species in the state. The cut of cypress was 308,139,000 feet, or 9.7 per cent of the cut of the state; red gum 147,260,000 feet, or 4.7 per cent; tupelo 87,634,000 feet, or 2.8 per cent; and oak 85,105,000 feet, or 2.7 per cent. Other native woods contributing important quantities to the total cut were ash, cottonwood, beech, hickory, elm, and yellow poplar. A considerable quantity of imported mahogany was also sawed into lumber.

TABLE 20.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT	QUANTITY. ¹		
	1919	1914	1909
Lumber.....	M feet b. m.	3,163,871	8,956,434
Lath.....	thousands.....	199,018	(2)
Shingles.....	thousands.....	300,784	(2)
			757,688

¹ The output of custom mills is included in 1919 and 1909, but not in 1914.

² Not reported.

The manufacture of cooperage stock is also an important industry in Louisiana. The quantity of such stock produced in 1919 and 1909 is shown in the following table. Comparative figures for 1914 are not available.

TABLE 21.—COOPERAGE STOCK: 1919 AND 1909.

PRODUCT	TIGHT.		SLACK.	
	1919	1909	1919	1909
Staves.....	pieces.....	15,898,000	17,228,000	23,607,000
Heading.....	sets.....	2,034,021	864,739	1,559,000
Hoops.....	pieces.....			2,162,000
				14,805,000

Petroleum, refining (Table 22).—The following table presents the statistics concerning materials, products, and equipment for the petroleum-refining industry in Louisiana for 1919. Measured by value of products, the state ranked eighth among the states, and the industry ranked third among the manufacturing industries of the state. In 1914 the industry was represented by only one establishment within the state, therefore figures could not be published.

The total production of refined oils, which includes the fuel oils, gasoline and naphthas, illuminating oils, and lubricating oils, was 16,252,691 barrels of 50 gallons, of which fuel oils formed 51.9 per cent, the naphthas and lighter products (gasoline, naphtha and benzine) 25.2 per cent, illuminating oils 21.1 per cent, and lubricating oils 1.8 per cent.

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TABLE 22.—PETROLEUM, REFINING: 1919.

		PETROLEUM, REFINING.	
	Quantity.	Amount.	
MATERIALS.			
Total cost.	bbls. (42 gals.)	\$49,603,883	
Crude petroleum.	bbls. (42 gals.)	21,269,798	42,911,936
Domestic.	bbls. (42 gals.)	14,266,592	.....
Mexican.	bbls. (42 gals.)	7,003,207	.....
Casing-head gasoline.	bbls. (42 gals.)	413,226	4,364,666
Sulphuric acid.	tons	15,903	372,088
Caustic soda.	pounds	1,931,075	77,463
Other chemicals and filtering material.		.....	32,025
Containers and materials therefor.		.....	357,183
All other materials, including fuel and rent of power.		1,488,022	.....
PRODUCTS.			
Total value.		75,023,728	
Gasoline, naphtha, and benzine.	gallons	204,999,737	37,486,973
Illuminating oils.	gallons	171,257,671	15,733,059
Fuel oils:			
Distillates and gas oils.	gallons	92,506,345	5,502,339
Residual fuel oils.	gallons	329,225,741	8,920,607
Lubricating oils.	gallons	14,645,033	2,335,311
Other petroleum products, paraffin wax, road oils, asphalt, coke, etc., and all other products.		.....	5,045,437
EQUIPMENT.			
Stills:	Number.	Capacity (gallons).	
Steam.	28	1,285,000	
Fire.	215	8,098,000	
Pressure.	60	315,000	
Agitators.	39	3,277,000	
Storage tanks:			
Crude petroleum.	58	88,878,000	
Refined petroleum products.	157	86,427,000	
Fuel oil.	34	12,059,000	
Other.	99	75,909,000	

Rice, cleaning and polishing (Table 23).—As measured by value of products, the cleaning and polishing of rice ranked fifth among the industries of the state. In 1919 Louisiana ranked first among the states in the growing and cleaning and polishing of rice.

The following table shows the quantity of rough rice treated, and the quantity of products, by kinds, for 1919, 1914, and 1909.

TABLE 23.—RICE, CLEANING AND POLISHING: 1919, 1914, AND 1909.

MATERIAL AND PRODUCT.	QUANTITY (POUNDS).		
	1919	1914	1909
Rough rice treated.	793,533,285	607,616,370	540,002,250
Products:			
Clean rice.	505,323,945	391,728,722	351,302,414
Polish.	16,775,378	17,984,219	17,558,008
Bran.	72,245,121	60,325,729	55,215,905

Turpentine and rosin (Table 24).—The quantities and values of turpentine and rosin produced by 33 establishments in 1919, 27 in 1914, and 23 in 1909, are shown in the following table.

TABLE 24.—TURPENTINE AND ROSIN: 1919, 1914, AND 1909.

PRODUCT.	1919	1914	1909
Total value.	\$5,691,289	\$1,858,391	\$1,173,848
Spirits of turpentine:			
Gallons.	1,885,231	2,252,118	1,231,254
Value.	\$2,070,871	\$835,509	\$592,641
Rosin:			
Barrels (280 lbs.).	201,608	269,274	130,486
Value.	\$3,404,585	\$1,006,279	\$573,306
All other products, value.	\$115,833	\$16,603	\$7,901

The turpentine and rosin industry in Louisiana has developed rapidly since 1904 when the total value of products was reported as \$211,820. The state ranked fifth in the production of these products in 1909 and 1914, and fourth in 1919.

The great increase shown in the value of products for 1919, as compared with 1914, is due entirely to the high prices prevailing during the later year as the quantity of products reported decreased.

The working unit in turpentine operations is the "crop," which consists of 10,500 boxes or cups. In 1919 there were 893 crops worked in the state. Of these, 569 were from "virgin" trees, or trees worked the first year; 149 from "yearling," or trees worked the second year; and 175 from "pulling," or trees worked the third and subsequent years. Of the total number of crops worked in Louisiana, none was reported as being from back-boxed timber in 1919.

In 1919 only the cup system was reported as being used for gathering crude gum in the state. In 1909 and 1914 both the box and cup systems were reported. In the former year 355 crops out of a total of 633, and in the latter year 40 crops out of a total of 943, were gathered by the box system.

Printing and publishing (Table 25).—This table shows the number and aggregate circulation of all newspapers and periodicals published in Louisiana as reported at the censuses of 1919, 1914, and 1909.

TABLE 25.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.	171	217	198	675,803	541,803	511,089
Daily.	17	19	23	233,160	139,086	136,226
Sunday.	0	7	8	247,590	178,108	162,020
Semimonthly ¹ .	5	5	7	14,701	3,700	18,879
Weekly.	117	157	141	126,202	148,087	170,103
Monthly ² .	26	20	10	55,124	71,202	27,471

¹ Includes in 1914 and 1909, 1 triweekly.² Includes in 1919, 2 semimonthlies; in 1914, 4 semimonthlies and 1 semiannual.

The decrease in number of publications is due almost wholly to the discontinuance of a large number of small weekly newspapers, a condition which is also reported from many other states.

Of the daily circulation, 141,432, or 60.7 per cent, were reported by the 12 afternoon papers. The increase in afternoon circulation since 1914 is 72,033, or 103.8 per cent. The Sunday newspaper circulation for 1919 was 36.6 per cent of the entire newspaper and periodical circulation reported; this is an increase of 69,388, or 38.9 per cent, over the circulation for 1914.

Eleven foreign language publications—8 weeklies and 3 monthlies—were reported with a circulation of 17,147. Two weeklies were in French, 4 in French and English, and 2 in Italian. Of the monthly publications, 2 were in Spanish and 1 in English and Spanish.

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Ice, manufactured (Table 26).—This table gives the quantity and value of the products of this industry for 1919, 1914, and 1909, together with the equipment for 1919 and 1914.

TABLE 26.—ICE, MANUFACTURED: 1919, 1914, AND 1909.

	1919	1914	1909
Number of establishments ¹	70	76	69
Products, total value.....	\$3,990,334	\$1,962,071	\$1,500,985
Can ice:			
Tons.....	751,525	590,933	449,362
Value.....	\$3,713,911	\$1,879,672	\$1,438,300
Plate ice:			
Tons.....			5,000
Value.....			\$12,292
All other products, value.....	\$276,423	\$82,399	\$50,303
Machines used, number.....	113	123	(2)
Ice-making capacity per day (24 hours), tons.....	6,538	3,521	(2)
Storage space for ice, cubic feet.....	941,030	769,935	(2)
Storage space for general cold storage, cubic feet.....	597,620	362,400	(2)

¹ Does not include 7 establishments in 1919 manufacturing 19,437 tons of ice, valued at \$125,582, as a subsidiary product; and 3 similar establishments in 1914 manufacturing 7,747 tons of ice, valued at \$31,346.

² Not reported.

Of the 70 establishments reported for 1919, 51 employed the compressor system, 18 the absorption system, and 1 both systems. These establishments used 188,614 pounds of anhydrous ammonia, valued at \$61,387, and 375,761 pounds of aqua ammonia, valued at \$30,717. There were 113 machines operated, with a combined capacity of 6,538 tons of ice per day of 24 hours, or an average of 57.9 tons per day.

Laundries (Table 27).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 27, however, summarizes the statistics for such laundries in the state for 1919 and 1914.

TABLE 27.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of in- crease, ¹ 1914- 1919.
	1919	1914	
Number of establishments.....	24	28	.....
Persons engaged.....	1,837	1,369	34.2
Proprietors and firm members.....	17	24	.....
Salaried employees.....	215	102	110.8
Wage earners (average number).....	1,005	1,243	29.1
Primary horsepower.....	1,778	1,197	48.5
Capital.....	\$1,440,125	\$1,102,216	31.5
Salaries and wages.....	1,118,012	551,575	102.7
Salaries.....	320,437	114,323	188.2
Wages.....	788,575	437,252	80.3
Paid for contract work.....	2,903	250	1,061.2
Rent and taxes.....	67,812	27,366	147.8
Cost of materials.....	485,213	231,637	109.5
Amount received for work done.....	2,340,774	1,190,148	97.4

¹ Percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 28).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 28.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	26
Persons engaged.....	220
Proprietors and firm members.....	23
Salaried employees.....	30
Wage earners (average number).....	158
Primary horsepower.....	240
Capital.....	\$187,900
Salaries and wages.....	165,414
Salaries.....	61,613
Wages.....	113,801
Paid for contract work.....	440
Rent and taxes.....	15,259
Cost of materials.....	80,375
Amount received for work done.....	384,776

Custom sawmills and gristmills (Table 29).—This table shows, for 1919 and 1909, a summary for custom sawmills and custom gristmills. Statistics for these custom mills are not included in the general tables nor in the totals for manufacturing industries, but are presented by totals in this table.

TABLE 29.—CUSTOM SAWMILLS AND GRISTMILLS, 1919 AND 1909.

	CUSTOM SAWMILLS.		CUSTOM GRISTMILLS.	
	1919	1909	1919	1909
Number of establishments.....	4	3	60	31
Persons engaged.....	12	13	79	77
Proprietors and firm members.....	10	2	74	32
Wage earners (average number).....	2	11	5	45
Primary horsepower.....	106	95	1,212	830
Capital.....	\$7,625	\$9,600	\$55,312	\$34,751
Wages.....	966	3,804	4,889	2,986
Rent and taxes.....	130	(2)	705	(2)
Cost of materials.....	144	213	143,276	35,462
Value of products ²	5,015	6,000	177,607	46,471

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

² Figures not available.

³ Includes estimates of all grain ground. Value of products for custom sawmills represents the amount charged for work performed.

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GENERAL TABLES.

Table 30 gives, for 1919, 1914, and 1909, for selected industries in the state and in New Orleans, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products; and for five cities having from 10,000 to 50,000 inhabitants, similar data for all industries combined.

TABLE 30.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages.	Cost of	Value of	INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages.	Cost of	Value of	
		estab-	(aver-	power-		mat-	prod-			estab-	(aver-	power-		mat-	prod-	
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																
All industries.....	1919	2,617	98,205	388,005	\$94,406	\$431,404	\$876,190	Furniture.....	1919	17	564	600	\$411	\$980	\$1,916	
	1914	2,211	77,605	355,193	39,544	157,888	255,313		1914	17	947	583	172	320	759	
	1909	2,516	76,165	346,652	33,386	134,865	223,049		1909	17	350	570	107	274	620	
Bags, other than paper, not including bags made in textile mills.....	1919	5	634	525	498	14,359	18,310	Ice, manufactured.....	1919	70	785	14,730	783	1,223	3,990	
	1914	4	713	1,229	236	6,929	7,804		1914	76	782	12,078	442	678	1,903	
	1909	6	474	189	155	5,072	5,352		1909	69	633	10,550	367	499	1,501	
Boots and shoes.....	1919	4	300	167	197	733	1,136	Leather goods.....	1919	11	167	97	157	698	1,109	
	1914	7	261	166	120	367	634		1914	13	170	126	100	525	945	
	1909	13	278	190	112	303	517		1909	17	230	122	120	708	1,025	
Bread and other bakery products.....	1919	309	2,088	1,835	1,642	8,132	12,673	Liquors, distilled, grain alcohol.....	1919	6	279	1,692	330	4,178	8,246	
	1914	284	1,440	1,283	689	2,793	4,978		1914	3	120	805	88	1,104	3,358	
	1909	289	1,289	946	660	2,703	4,620		1909	4	77	140	68	803	8,054	
Canning and preserving ¹	1919	38	653	750	297	1,348	2,146	Liquors, malt.....	1919	8	426	3,220	452	1,604	5,778	
	1914	28	901	710	177	683	1,365		1914	10	510	2,748	460	1,434	4,301	
	1909	26	974	659	183	573	978		1909	9	512	2,207	334	1,037	3,573	
Carriages and wagons and materials.....	1919	24	106	350	146	220	491	Lumber and timber products ⁴	1919	585	44,548	161,147	44,544	42,923	130,521	
	1914	31	333	849	178	238	509		1914	518	44,419	164,394	23,040	27,723	66,666	
	1909	40	358	568	196	206	529		1909	702	46,072	150,286	20,033	23,150	62,888	
Cars and general shop construction and re- pairs by electric-rail- road companies.....	1919	7	417	396	568	446	1,066	Marble and stone work.....	1919	15	109	301	188	236	603	
	1914	6	387	261	276	138	444		1914	22	186	317	208	261	636	
	1909	—	—	—	—	—	—		1909	22	230	226	155	260	609	
Cars and general shop construction and re- pairs by steam-railroad companies.....	1919	28	4,424	3,214	6,283	2,799	9,519	Mattresses and spring beds, not elsewhere specified.....	1919	13	203	438	187	876	1,019	
	1914	28	2,697	2,365	1,736	1,077	3,042		1914	18	227	386	100	405	884	
	1909	26	2,426	1,799	1,323	982	2,527		1909	22	203	287	86	290	491	
Clothing, men's, includ- ing shirts.....	1919	21	1,029	219	400	1,917	3,122	Mineral and soda waters.....	1919	79	440	905	255	1,403	2,777	
	1914	17	833	130	217	864	1,359		1914	75	256	676	126	377	824	
	1909	19	817	136	173	660	1,108		1909	72	200	283	98	204	513	
Coffee and spice, roasting and grinding.....	1919	29	271	631	241	5,798	7,935	Oil and cake, cottonseed.....	1919	28	1,605	13,028	1,241	50,104	57,102	
	1914	17	302	585	115	2,700	4,241		1914	37	1,127	11,007	487	16,105	18,106	
	1909	17	236	516	100	2,261	3,005		1909	43	804	12,142	318	11,508	13,085	
Confectionery and ice cream.....	1919	41	818	832	443	3,076	5,096	Patent medicines and compounds and drug- gists' preparations ⁷	1919	25	171	42	84	423	1,006	
	1914	25	297	454	109	547	1,133		1914	25	65	46	21	132	401	
Cooperage ²	1910	19	828	1,504	653	2,153	3,215		1909	21	111	68	20	134	363	
	1914	22	745	980	337	1,078	1,659	Printing and publishing ⁸	1919	270	1,581	2,065	1,407	8,081	8,110	
	1909	41	966	1,315	361	879	1,505		1914	290	1,405	1,610	985	1,032	4,317	
Copper, tin, and sheet- iron work ³	1919	43	438	497	439	1,137	2,152		1909	268	1,544	1,494	1,001	1,013	3,823	
	1914	53	475	287	258	714	1,255	Rice, cleaning and pol- ishing.....	1919	46	1,121	12,502	803	38,017	41,220	
	1909	66	979	1,173	503	1,730	2,899		1914	24	735	7,742	368	11,094	12,007	
Fertilizers.....	1919	6	584	2,317	452	2,634	4,197		1909	37	693	10,700	327	10,971	12,529	
	1914	6	408	1,948	171	1,932	2,818	Shipbuilding, wooden, including boat build- ing.....	1919	16	2,017	2,841	2,173	1,000	5,106	
	1909	6	295	1,178	127	1,324	1,757		1914	15	419	1,144	235	208	603	
Flour-mill and gristmill products.....	1919	17	48	600	43	1,188	1,384		1909	25	374	1,301	236	154	673	
	1914	7	31	313	14	624	687	Sugar, including refining.....	1919	192	7,808	108,510	5,752	121,240	141,843	
	1909	11	82	895	33	840	943		1914	171	4,708	117,906	2,284	48,577	67,948	
Food preparations, not elsewhere specified.....	1919	42	1,760	4,210	1,301	27,076	34,408		1909	209	5,093	128,047	2,439	52,302	63,775	
	1914	30	994	1,969	391	8,956	11,715	Turpentine and rosin.....	1919	33	2,604	131	1,628	1,381	5,691	
	1909	29	351	1,066	180	4,477	5,340		1914	27	2,472	70	688	424	1,858	
Foundry and machine- shop products ⁴	1919	103	2,278	4,769	3,239	4,485	11,136	Wood preserving.....	1919	6	292	1,200	234	1,080	2,740	
	1914	66	1,343	2,601	936	1,345	3,214		1914	5	203	885	108	1,200	1,580	
	1909	83	1,314	2,567	812	1,452	2,998		1909	5	145	835	62	865	1,218	
All other industries.....	1919	450	10,829	42,030	16,875	42,030	16,875		1914	238	7,108	16,314	3,000	14,514	28,641	
	1914	238	7,108	16,314	3,000	14,514	28,641		1909	270	6,268	14,090	2,100	6,946	13,357	

¹ Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; "canning and preserving, oysters"; and "pickles, preserves, and sauces."² Includes "wooden goods, not elsewhere specified" in 1909.³ Includes "stamped and enameled ware" and "tinware" in 1909.⁴ Includes "structural ironwork, not made in steel works or rolling mills" and "iron and steel, welding" in all years; "steam and hot-water radiators and cast-iron heating boilers" in 1919 and 1909, and also "engines, steam, gas, and water," and "pumps, steam" in 1919.⁵ Includes "saddlery and harness" and "trunks and valises,"⁶ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."⁷ Includes "perfumery and cosmetics."⁸ Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing" for all years; and also "lithographing" in 1914 and 1909.

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TABLE 30.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages.	Cost of	Value	INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages.	Cost of	Value		
year.	estab-	ber of	earners	(aver-	(aver-	Ex-pressed	ber of	earners	year.	estab-	ber of	aver-	power.	Ex-pressed	ber of	earners	prod-
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																	
NEW ORLEANS... All industries.	1919	873	26,641	52,507	\$24,614	\$113,308	\$182,799	NEW ORLEANS—Con-	1919	33	739	1,504	\$428	\$9,133	\$11,522		
	1914	733	17,348	37,133	8,538	40,561	69,814	Food preparations, not	1914	21	376	78	387	647	647		
	1909	848	17,186	38,145	8,020	48,732	78,704	elsewhere specified.	1909	22	156	455	57	405	538		
Bags, other than paper, not including bags made in textile mills.	1919	5	634	525	498	14,359	18,310	Foundry and machine-	1919	50	1,334	2,611	2,070	2,870	7,054		
	1914	4	713	1,229	236	6,929	7,804	shop products. ⁴	1914	25	686	1,235	516	838	1,795		
	1909	6	474	189	158	5,072	5,352	1909	39	698	1,009	468	1,020	1,895			
Boxes, wooden packing, except cigar boxes.	1919	10	652	1,900	444	1,670	2,903	Furniture.....	1919	17	564	696	411	980	1,916		
	1914	8	444	1,530	187	787	1,181		1914	17	347	533	172	320	759		
	1909	12	550	1,413	212	764	1,204	1909	15	325	455	146	225	528			
Bread and other bakery products.	1919	114	1,532	1,273	1,190	5,813	9,209	Ice, manufactured.....	1919	20	313	4,836	362	646	2,067		
	1914	104	970	912	477	1,925	3,489		1914	20	256	2,901	177	340	812		
	1909	125	894	814	474	1,030	3,243	1909	20	284	3,140	174	250	661			
Canning and preserving ¹ .	1919	10	252	186	75	393	615	Lumber, planing-mill products, not including	1919	28	577	2,210	543	1,956	3,090		
	1914	9	344	63	59	281	595	planing mills connected with sawmills.	1914	22	642	1,977	349	872	1,436		
	1909	11	182	95	38	202	292	1909	38	826	4,036	464	851	1,636			
Carriages and wagons, including repairs.	1919	7	67	122	66	93	195	Mattresses and spring beds, not elsewhere specified.	1919	8	244	321	153	661	1,281		
	1914	16	214	238	121	150	345	1914	14	198	342	90	374	625			
	1909	20	272	217	151	141	373	1909	19	183	174	79	203	456			
Cars and general shop construction and re- pairs by steam-railroad companies.	1919	5	1,902	1,035	2,951	1,224	4,310	Patent medicines and compounds and drug- gists' preparations. ⁵	1919	19	157	37	77	306	934		
	1914	7	1,157	577	655	306	1,050	1914	18	58	41	20	119	363			
	1909	6	973	571	452	361	895	1909	20	110	68	28	132	360			
Clothing, men's, includ- ing shirts.	1919	21	1,020	219	460	1,917	3,122	Printing and publish- ing. ⁶	1919	131	973	1,512	909	2,415	6,084		
	1914	17	883	130	217	864	1,359	1914	127	916	1,084	675	805	3,218			
	1909	10	817	136	173	660	1,168	1909	122	1,112	1,131	824	810	3,014			
Clothing, women's.....	1919	12	266	57	121	658	1,095	Rice, cleaning and pol- ishing.	1919	9	365	3,487	226	11,673	12,919		
	1914	4	112	6	29	121	209	1914	8	233	3,380	143	4,847	5,484			
	1909	9	247	410	184	535	934	1909	9	234	3,611	137	4,881	5,125			
Cooperage ²	1919	12	180	218	147	588	955	All other industries.....	1919	34	14,476	29,172	13,146	55,227	93,938		
	1914	14	400	404	191	556	893	1914	255	8,241	10,911	3,965	19,260	38,928			
	1909	20	457	410	184	535	934	1909	282	7,792	10,153	3,375	28,856	48,519			
Copper, tin, and sheet- iron work. ³	1919	18	325	431	328	636	1,280										
	1914	23	344	214	181	471	825										
	1909	43	847	1,068	426	1,574	2,554										
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																	
ALEXANDRIA.....	1919	52	724	2,881	\$621	\$3,033	\$4,350	MONROE.....	1919	34	745	2,942	\$721	\$2,832	\$4,159		
	1914	42	359	2,335	190	598	1,056		1914	28	609	2,059	377	534	1,128		
	1909	28	188	2,260	83	364	586	1909	19	406	1,431	216	450	936			
BATON ROUGE.....	1919	50	500	1,631	491	2,522	3,004	SHREVEPORT.....	1919	87	2,127	6,335	2,881	7,267	12,876		
	1914	42	358	1,474	154	664	1,122		1914	73	1,539	4,958	952	3,797	6,250		
	1909	32	355	1,514	142	331	652	1909	61	1,114	3,042	671	2,089	3,643			
LAKE CHARLES.....	1919	45	1,222	6,644	1,426	5,325	8,291										
	1914	44	1,101	6,463	649	2,287	3,089										
	1909	33	736	3,777	395	1,269	2,251										

¹ Includes "canning and preserving, fish" and "pickles, preserves, and sauces" in all years, and also "canning and preserving, vegetables," in 1919.

² Includes "wooden goods" in 1909.

³ Includes "stamped and enameled ware" and "tinware" in 1909.

⁴ Includes "structural ironwork, not made in steel works or rolling mills" in all years; "steam and hot-water radiators and cast-iron heating boilers" in 1919 and 1909; and also "engines, steam, gas, and water," and "pumps, steam" in 1919.

⁵ Includes "perfumery and cosmetics."

⁶ Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

MANUFACTURES—LOUISIANA.

TABLE 31.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish-ments	Total.	PERSONS ENGAGED IN THE INDUSTRY.						WAGE EARNERS DEC. 15, OR NEAR-EST REPRESENTATIVE DAY.						Capital.	
			Propri-ecors and firm mem bers.	Sala-ried offi-cers, super- in-tend-ents, and man-agers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.			
					Male.	Female.	Average number,	Number, 15th day of—	Maximum month.		Male.	Female.	Male.	Female.		

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

																Dollars.	
1	All industries.....	2,617	112,523	2,042	4,570	5,937	1,709	98,265	No 117,665	Mh 89,172	(*)	(*)	(*)	(*)	(*)	402,209,057	
2	Artificial stone products.....	4	13	5	—	—	—	8	No 4	De 4	7	9	9	—	—	9,242	
3	Automobile bodies and parts.....	10	206	10	7	12	3	174	Au 174	Fe 152	196	196	196	—	—	321,554	
4	Automobile repairing.....	128	779	151	43	41	21	523	No 576	Mh 457	574	507	2	5	—	1,140,743	
5	Awnings, tents, and sails.....	7	77	5	7	10	1	54	De 59	Ja 48	60	41	19	—	—	206,794	
6	Bags, other than paper, not includ-ing bags made in textile mills.....	5	743	—	20	53	36	634	Oc 702	Ap 581	676	239	409	10	18	4,970,056	
7	Bone and carbon black.....	7	156	5	11	10	1	129	Oc 4	Ja 140	Je 121	134	134	—	—	2,801,015	
8	Bookbinding and blank-bookmaking.....	7	54	8	6	—	—	40	My 44	Ja 4	29	43	27	16	—	50,153	
9	Boots and shoes.....	4	346	7	12	17	10	300	Oc 310	Ja 287	302	194	84	17	7	774,290	
10	Boxes, cigar.....	3	79	—	6	1	1	71	Jy 88	Ja 61	66	25	34	4	3	118,288	
11	Boxes, paper, not elsewhere specified.....	6	363	5	20	8	6	324	De 367	Ja 244	367	126	191	20	30	392,060	
12	Boxes, wooden packing, except cigar boxes.....	17	1,389	10	50	34	13	1,282	De 1,705	Oc 812	1,761	1,520	226	15	—	2,423,551	
13	Brass, bronze, and copper products.....	6	59	5	6	5	—	43	Oe 47	Fe 34	46	46	46	—	—	84,013	
14	Bread and other bakery products.....	309	2,705	320	78	144	75	2,088	—	—	2,276	1,488	712	22	54	3,774,009	
15	Biscuit and crackers.....	4	585	1	14	48	9	513	Oc 566	Ja 457	504	230	200	4	62	850,585	
16	Bakery products, other than biscuit and crackers.....	305	2,120	319	64	96	68	1,575	De 1,699	Fe 1,488	1,712	1,249	443	18	2	2,923,474	
17	Brick.....	18	506	10	28	22	12	434	Se 549	Fe 200	555	543	—	12	—	1,031,143	
18	Brooms, from broom corn.....	12	163	12	8	8	2	133	De 144	No 124	149	117	25	4	3	276,598	
19	Canning and preserving, fish.....	16	437	17	27	6	4	383	Se 615	Ja 68	742	184	558	—	—	707,786	
20	Canning and preserving, fruits and vegetables.....	11	197	12	23	11	2	149	My 290	Fe 31	471	191	251	13	16	405,770	
21	Canning and preserving, oysters.....	3	47	3	2	—	—	42	Oc 70	Au 42	77	42	35	—	—	97,008	
22	Carriage and wagon materials.....	3	32	6	—	4	—	22	Oc 4	Ja 18	22	22	—	—	—	41,048	
23	Carriages and wagons, including repairs.....	21	184	24	11	2	3	144	—	—	154	153	1	—	—	365,949	
24	Carriages and wagons.....	16	169	10	11	2	3	134	No 150	Ja 123	143	142	1	—	—	363,256	
25	Repair work only.....	5	15	5	—	—	—	10	No 4	Ap 8	11	11	—	—	—	12,093	
26	Cars and general shop construction and repairs by electric-railroad companies.....	7	440	—	10	13	—	417	De 482	Ja 330	482	481	1	—	—	684,158	
27	Cars and general shop construction and repairs by steam-railroad companies.....	28	4,635	—	86	101	24	4,424	Mh 4,584	Ja 4,118	4,025	4,585	40	—	—	4,727,861	
28	Chemicals.....	5	87	2	6	16	9	54	Mh 4	62	De 4	47	63	2	1	—	887,824
29	Clothing, men's.....	16	1,102	12	40	34	17	999	De 1,036	Ja 943	1,036	124	885	3	24	2,100,214	
30	Clothing, women's.....	12	318	13	18	14	7	266	My 294	No 246	291	10	270	1	4	484,945	
31	Coffee and spice, roasting and grinding.....	29	1,017	11	73	514	148	271	Au 292	Ap 255	280	153	120	2	5	6,194,012	
32	Confectionery and ice cream.....	41	1,029	28	55	79	49	818	No 706	Ja 555	864	809	520	2	24	2,651,099	
33	Confectionery.....	20	808	13	30	71	20	668	—	—	711	170	516	2	24	2,174,295	
34	Ice cream.....	21	221	15	25	8	23	150	Jy 171	Do 131	153	139	144	—	—	470,804	
35	Cooperage.....	19	883	14	22	17	2	828	Se 910	De 670	894	864	30	—	—	2,820,165	
36	Copper, tin, and sheet-iron work.....	43	555	36	35	32	14	438	De 511	Ja 387	514	511	2	1	—	970,143	
37	Druggists' preparations.....	3	18	3	2	—	—	1	12	(6) 12	12	7	3	2	—	22,056	
38	Electrical machinery, apparatus, and supplies.....	5	50	1	11	2	4	32	Se 41	No 25	40	22	18	—	—	115,403	
39	Engraving, steel and copper plate, including plate printing.....	5	49	4	4	3	3	35	(6) 35	(6) 35	35	28	7	—	—	30,831	
40	Fertilizers.....	6	877	—	27	51	15	584	Mh 1,124	Ja 299	749	657	92	—	—	4,215,019	
41	Flavoring extracts.....	4	45	3	15	1	1	21	Ap 23	Fe 18	20	4	16	—	—	132,029	
42	Flour-mill and gristmill products.....	17	74	11	9	6	—	48	No 4	Ja 35	61	59	2	—	—	587,764	
43	Food preparations, not elsewhere specified.....	42	2,498	39	91	530	78	1,760	—	—	1,972	1,423	533	11	5	13,262,493	
44	Breadstuff preparations; lard compounds and other substitutes; and sweetening sirups, other than cane.....	11	1,846	4	50	448	66	1,269	Ja 1,562	Je 971	1,398	1,136	252	6	4	11,150,494	
45	Macaroni, vermicelli, and noodles.....	17	190	19	10	24	4	133	De 175	Ja 98	179	113	60	5	1	615,130	
46	All other food preparations for human consumption.....	5	223	4	3	3	2	211	De 242	Au 60	242	22	220	—	—	98,724	
47	Prepared feed for animal and fowl consumption.....	9	239	12	19	55	6	147	Ap 173	No 126	153	152	1	—	—	1,308,136	
48	Foundry and machine-shop products.....	90	2,563	66	134	167	35	2,161	—	—	2,348	2,330	4	5	—	6,839,538	
49	Boiler shops.....	7	177	5	10	7	2	153	Au 172	Ja 110	168	168	—	—	—	375,286	
50	Foundries.....	5	76	5	3	—	—	68	Au 80	Ja 49	78	78	—	—	—	169,194	
51	Machine shops.....	70	1,732	53	97	114	31	1,437	Jy 1,628	Mh 1,218	1,545	1,536	4	5	—	4,054,220	
52	Machine shop and foundry combined.....	8	578	3	24	46	2	503	Se 648	Fe 262	557	557	—	—	—	1,640,838	
53	Furniture.....	17	670	9	43	39	15	564	—	—	602	499	93	10	—	1,491,875	
54	Wood furniture, other than rattan and willow.....	12	570	5	36	31	13	485	De 520	Ja 466	520	417	93	10	—	1,288,160	
55	Metal furniture, and store and office fixtures.....	5	100	4	7	8	2	79	Au 83	Ja 75	82	82	—	—	—	203,715	
56	Hats, wool felt.....	3	22	2	—	1	1	18	(6) 18	(5) 18	18	7	10	1	—	13,150	
57	Ice, manufactured.....	70	1,022	19	137	60	21	785	Jy 1,003	Fe 599	801	782	5	14	—	5,588,193	
58	Jewelry.....	7	103	8	7	9	8	71	De 73	Se 4	70	72	1	—	—	51,577	
59	Liquors, distilled, grain alcohol.....	6	365	—	37	25	24	279	De 514	Ja 158	511	510	1	—	—	12,112,825	
60	Liquors, malt.....	8	519	—	35	57	1	426	Se 503	Fe 362	487	484	3	—	—	6,580,394	

¹ Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—LOUISIANA.

525

COMBINED AND SPECIFIED INDUSTRIES: 1919.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 12,808,549	Dollars. 10,137,708	Dollars. 94,405,732	Dollars. 3,428,125	Dollars. 1,007,451	Dollars. 27,280,752	Dollars. 421,147,141	Dollars. 10,256,726	Dollars. 676,180,770	Dollars. 244,785,903	Dollars. 388,605	316,684	15,470	13,928	60	42,463	43,113	1	
22,540	16,595	184,114	9,133	480	169	6,810	24,261	17,451	24,261	25	409	2	3	409	509	509	2	
53,393	82,876	547,578	2,210	9,210	3,143	429,945	5,281	731,887	206,661	672	238	295	3	3	509	509	509	3
17,966	9,151	49,706	4,460	12,243	623,975	24,173	1,548,320	900,181	834	30	33	400	4	400	104	104	4	
186,524	136,780	407,004	1,134	12,106	9,703	247,390	788	402,033	154,755	83	125	400	5	400	104	104	5	
29,221	10,950	134,908	76	1,134	12,106	926,502	14,312,419	16,711	18,310,111	8,050,981	525	200	200	7	22	22	22	7
5,910	35,288	107,329	2,102	2,000	61	17,453	628	91,045	72,904	22	167	167	8	167	167	167	8	
31,974	32,943	36,283	2,015	8,375	723,851	8,922	1,136,027	408,254	167	88	88	10	88	88	88	10	10	
11,089	1,006	7,838	7,838	1,317	78,078	1,513	141,324	61,733	88	146	146	11	146	146	146	11	11	
49,206	20,513	161,452	9,079	2,102	413,781	6,236	704,883	874,866	146	303	303	12	303	303	303	12	12	
210,472	45,181	702,708	1,001	7,167	115,200	2,370,853	11,399	4,173,296	1,782,044	3,600	3,275	82	25	82	25	25	25	25
11,371	4,350	50,940	3,191	2,849	120,269	5,595	234,769	108,905	60	177	177	18	177	177	177	18	18	
181,682	203,013	1,042,240	4,014	89,588	140,053	7,869,171	263,124	12,673,135	4,540,840	1,835	1,437	1,437	15	1,437	1,437	1,437	15	15
59,372	91,707	308,584	13,360	88,063	1,340,659	27,376	2,486,600	1,118,655	248	1,239	1,239	18	1,239	1,239	1,239	18	18	
122,310	172,116	1,338,002	4,014	70,228	51,990	6,528,512	236,748	10,186,445	3,422,185	1,597	171	171	18	171	171	171	18	18
61,485	16,287	336,825	9,830	29,539	39,245	167,475	740,610	533,890	1,881	1,411	100	83	83	287	287	287	20	
14,660	18,472	101,056	1,350	3,758	250,584	1,946	468,502	207,082	96	301	301	19	88	88	88	19	19	
43,561	8,486	137,749	200	2,040	13,145	433,840	17,491	785,223	343,892	441	140	140	20	140	140	140	20	20
27,588	12,288	91,220	928	4,262	549,010	7,520	818,300	261,770	196	143	143	33	33	33	33	33	33	33
4,250	261	22,631	120	1,718	67,004	5,891	110,742	87,787	40	40	40	22	22	231	231	231	23	23
3,306	12,020	300	301	41,006	416	76,124	34,702	68	60	60	8	8	8	88	88	88	18	18
14,547	3,143	134,277	4,226	3,918	170,378	8,180	414,407	238,849	282	35	35	16	16	216	216	216	8	24
14,547	3,143	124,408	9,779	3,284	3,700	102,000	7,458	386,566	217,108	259	35	35	8	8	15	15	25	25
12,793	18,708	508,212	11,240	942	239	8,378	722	27,841	18,741	23	306	306	306	306	306	306	306	26
191,792	164,544	0,282,928	33,127	15	48,121	2,614,180	184,342	9,510,050	6,720,531	3,214	1,921	453	840	840	2,203	2,203	2,203	27
19,080	28,221	64,288	2,500	1,344	30,916	32,537	48,182	312,806	232,087	402	85	85	317	317	317	317	317	28
146,716	101,070	441,838	20,926	16,558	45,722	1,855,007	11,646	3,032,580	1,105,840	205	25	25	180	180	180	180	180	20
32,075	20,073	120,741	47,558	8,172	3,387	8,655,673	2,758	1,095,053	436,622	57	57	57	57	57	57	57	57	39
210,642	774,170	241,376	31,807	9,470	5,703,498	34,875	7,935,101	2,136,728	631	35	35	30	30	566	566	566	18	31
174,214	231,217	443,387	31,018	145,068	8,031,577	44,712	5,096,473	2,020,184	832	80	80	27	27	725	725	725	32	32
126,302	196,760	323,480	17,449	110,664	1,810,580	26,010	3,276,673	1,432,083	516	516	516	454	454	454	454	454	33	33
47,852	34,457	119,007	14,409	1,211,097	19,702	1,819,800	588,101	3,032,580	1,105,840	205	20	20	25	25	271	271	271	34
51,215	20,444	652,718	5,403	55,300	2,182,518	20,359	3,214,604	1,001,817	912	1,504	1,504	572	572	572	572	572	572	35
115,947	45,246	438,504	54,731	14,189	47,597	1,125,857	11,429	2,152,126	1,014,840	497	497	497	21	21	476	476	476	37
2,380	200	9,506	1,100	637	14,000	175	43,769	29,504	3	3	3	36	36	36	36	36	38	
22,813	4,198	27,901	2,012	4,700	55,292	852	154,003	97,850	86	86	86	10	10	10	10	10	30	30
4,300	3,932	30,408	1,470	3,710	316	35,711	1,493	98,500	61,392	19	19	19	19	19	1,862	1,862	44	40
80,670	84,406	451,072	2,875	104,109	2,572,364	61,972	4,107,285	1,562,019	2,317	455	455	38	38	38	335	335	41	42
9,810	26,597	8,507	2,004	802	1,176,353	640	204,101	99,998	600	20	20	245	245	245	1,439	1,439	2,235	43
13,435	11,240	43,134	280	22,140	303,724	8,501	1,384,074	196,130	600	4,210	4,210	185	185	185	2,586	2,586	2,235	44
422,308	850,070	1,301,407	1,301,407	22,140	20,898,604	179,057	34,405,973	7,330,452	4,211	2,211	2,211	60	60	60	200	200	2,235	44
350,811	725,072	1,019,200	280	8,704	331,351	21,466,276	140,270	27,883,036	6,270,490	2,501	2,501	2,501	10	10	465	465	465	45
30,362	28,018	90,854	4,714	12,774	1,123,762	14,816	1,398,405	250,827	475	185	185	33	33	33	33	33	46	46
7,485	5,089	68,092	3,900	33,172	244,104	7,330	407,767	150,333	168	168	168	47	47	47	47	47	47	47
33,050	90,901	122,052	4,732	16,427	4,001,422	17,541	4,710,765	637,802	1,006	240	240	115	115	115	651	651	651	48
400,640	312,550	9,107,487	88,874	30,558	363,185	4,108,644	148,837	10,097,272	6,430,701	4,319	20	20	636	636	2,414	2,414	478	48
47,035	11,942	180,705	18,234	0,472	2,529	542,055	11,615	809,450	345,750	225	225	225	38	38	38	38	38	50
3,700	98,450	452,275	70,940	18,411	221,250	70,476	8,192	234,048	155,380	31	31	31	20	20	508	508	509	51
351,455	200,655	2,141,275	680,907	5,030	137,942	879,434	48,808	7,186,508	4,489,907	2,855	2,855	2,855	728	728	1,599	1,599	158	52
85,450	30,653	1,323,798	1,323,798	12,545	1,415	1,415	1,415	1,415	1,415	1,415	1,415	64	64	64	64	64	64	55
77,379	51,670	411,062	8,808	65,513	69,308	907,004	12,530	1,915,803	935,753	696	250	250	12	12	434	434	15	53
66,822	44,403	334,403	8,808	65,513	704,305	7,564	1,552,474	780,515	565	250	250	119	119	119	119	119	119	55
11,557	7,270	76,659	1,620	3,855	203,200	4,972	303,410	155,238	131	131	131	12	12	12	12	12	12	55
520	12,261	173,009	9,523	2,330	170,906	538,073	784,571	3,900,334	2,607,687	14,730	12,120	12,120	50	50	2,080	2,080	1,544	57
12,625	10,853	76,300	243	4,851	16,679	2,187,400	1,990	236,490	183,112	41	310	310	41	41	91	91	91	58
205,406	52,262	330,452	1,427	1,323,798	1,484,930	118,622	5,777,944	3,220	2,580	2,580	2,580	2,580	60	60	640	640	708	60
172,117	101,705	452,427	1,427	1,323,798	1,484,930	118,622	5,777,944	3,220	2,580	2,580	2,580	2,580	60	60	10	10	10	50

* No figures given for reasons stated under "Explanation of terms."

¹ Same number reported for one or more other months.

⁶ Same number reported throughout the year.

MANUFACTURES—LOUISIANA.

TABLE 31.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAR- EST REPRESENTATIVE DAY.							
		Total.	Propri- tors and firm mem- bers.	Salar- ied offi- cers, super- in- ten- dents, and man- agers.	Clerks, etc.		Wage earners.			16 and over.	Under 16.					
					Male.	Fe- male.	Aver- age num- ber.	Number, 15th day of—								
								Maximum month.	Minimum month.							
										Total.	Male.	Fe- male.	Total.	Male.	Fe- male.	Capital.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

* All other industries embrace—

* All other industries embrace—			
Agricultural implements.....	3		
Airplanes, seaplanes, and airships, and parts.....	1		
Artificial limbs.....	1		
Automobiles.....	2		
Bags, paper, exclusive of those made in paper mills.....	1		
Baskets, and rattan and willow ware.....	1		
Belting, leather.....	3		
Bluing.....	1		
Brushes.....	1		
Butter.....	2		
Buttons.....	1		
Cleansing and polishing preparations.....	1		
Coffins, burial cases, and undertakers' goods.....	2		
Cordials and flavoring syrups.....	1		
Cork, cutting.....	1		
Cotton goods.....	3		
Crucibles, clay.....	1		
Dental goods.....	2		
Dyestuffs and extracts—natural.....	2		
Electroplating.....	2		
Engines, steam, gas, and water.....	1		
Engraving and diesinking.....	1		
Fancy articles, celluloid novelties.....	1		
Furnishing goods, men's, neckwear.....	1		
Gas and electric fixtures.....	1		
Gas, illuminating and heating.....	4		
Glass.....	2		
Glass, cutting, staining, and ornament- ing.....	1		
Gold and silver, reducing and refining, not from the ore.....	2		
Grease and tallow, not including lubri- cating greases.....	1		
Haircloth.....	1		
Hand stamps.....	1		
Hats and caps, other than felt, straw, and wool.....	1		
House-furnishing goods, not elsewhere specified.....	2		
Iron and steel, welding.....	1		
Knit goods.....	3		
Leather goods, not elsewhere specified.....	1		
Leather, tanned, curried, and finished.....	1		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	NEW ORLEANS—All industries...	873	32,615	663	1,463	2,931	917	26,641	De	29,365	Ja	24,131	29,906	20,945	8,066	267	688	125,161,785
2	Automobile bodies and parts.....	7	146	6	6	9	3	122	No	134	Fe	107	128	128	-----	-----	206,522	
3	Automobile repairing.....	20	110	23	5	4	5	73	Je	78	Mh	65	71	71	-----	120,507		
4	Bags, other than paper, not including bags made in textile mills.	5	743	-----	20	53	36	634	Oe	702	Ap^s	581	676	239	406	10	18	4,970,056
5	Bookbinding and blank-book making	7	54	8	6	-----	-----	40	My	44	Fe^s	29	43	27	16	-----	50,153	
6	Boxes, cigar.....	3	79	-----	6	1	1	71	Jy	86	Ja	61	66	25	34	4	3	118,288
7	Boxes, paper, not elsewhere specified.....	6	363	5	20	8	6	324	De	367	Ja	244	367	126	191	20	30	392,660
8	Boxes, wooden packing, except cigar boxes.	10	727	7	31	28	9	652	De	835	Oe	221	830	788	77	15	-----	1,535,205
9	Bread and other bakery products....	114	1,896	111	62	133	58	1,532	De	1,658	Je	1,451	1,661	963	638	8	52	2,784,254
10	Brooms, from broom corn.....	6	139	6	6	8	2	117	De	130	Jy	106	130	102	22	3	3	259,270
11	Carriage and wagon materials.....	3	32	6	-----	4	-----	22	Co^s	24	Se^s	18	22	22	-----	-----	41,048	

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—LOUISIANA.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									Value added by manufacturer.	POWER.					Electric horse-power generated in establishments reporting.	
Salaries and wages.			Rent and taxes.		For materials.		Total.	Primary horsepower.				Rented.	Rented.	Rented.	Rented.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹					
3,300,248 235,270	1,963,388 102,043	42,708,082 903,171	2,642,419 14,485	40,482 12,866	7,159,788 66,644	30,348,505 3,373,441	754,406 27,552	120,716,435 5,570,041	83,613,524 2,169,048	153,445 4,006	142,113 2,821	9,390 40	1,337 122	605 1,023	15,852 1,023	1 2

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 3,300,248 235,270	Dollars. 1,963,388 102,043	Dollars. 42,708,082 903,171	Dollars. 2,642,419 14,485	Dollars. 40,482 12,866	Dollars. 7,159,788 66,644	Dollars. 30,348,505 3,373,441	Dollars. 754,406 27,552	Dollars. 120,716,435 5,570,041	Dollars. 83,613,524 2,169,048	Dollars. 153,445 4,006	Dollars. 142,113 2,821	Dollars. 9,390 40	Dollars. 1,337 122	Dollars. 605 1,023	Dollars. 15,852 1,023	Dollars. 1 2
35,302	12,308	188,141	641	1,506	6,687	225,842	10,482	603,460	367,136	301	150	30	112	137	3	
100,420	49,713	187,333	287	6,148	49,191	806,825	9,473	1,610,085	742,787	433	-----	433	-----	433	4	
116,241	93,899	254,637	10,205	187,335	1,363,537	39,654	2,777,045	1,373,804	995	406	183	2	404	66	5	
379,384	835,750	1,240,532	4,080	83,600	416,900	40,593,293	571,151	57,101,578	6,997,134	18,028	9,171	400	936	2,521	697	6
99,306	30,410	50,879	7,014	64,122	314,076	1,151	786,408	471,181	24	-----	24	-----	24	-----	7	
10,055	9,045	23,066	3,300	3,013	93,514	296	176,319	82,500	15	-----	15	-----	15	-----	8	
249,884	543,493	4,388,047	122,020	3,096	6,108,906	48,638,052	964,731	75,023,726	25,420,343	7,138	1,051	1,600	3,820	67	5,702	9
8,740	5,400	20,303	2,880	1,936	13,077	2,207	94,541	79,262	47	-----	47	-----	47	-----	10	
16,751	11,514	45,543	1,550	3,944	265,281	2,059	422,111	154,791	73	30	30	43	43	-----	11	
286,813	128,951	721,070	83,001	67,400	45,408	1,097,486	33,917	2,940,703	1,809,300	772	2	770	-----	770	12	
281,713	127,617	698,250	77,856	65,486	45,224	1,091,231	32,092	2,879,689	1,750,360	768	2	768	4	768	13	
5,100	1,334	22,820	5,145	1,014	244	6,255	1,825	61,014	52,934	4	-----	4	-----	4	14	
331,990	636,007	620,250	140,089	47,741	132,894	1,856,859	37,450	4,979,417	8,085,108	1,252	120	120	1,132	1	15	
195,449	508,820	302,057	26,343	25,230	119,472	1,538,700	22,058	3,639,083	2,078,316	873	15	15	858	1	16	
59,730	85,614	257,101	1,810	15,768	8,711	280,844	15,377	980,002	683,781	878	105	105	278	-----	17	
70,811	41,573	1,002	121,530	6,737	4,711	37,306	15	390,332	323,011	1	2,447	2,447	2,447	264	18	
300,193	347,787	803,408	4,235	265,190	35,890,591	120,819	41,220,471	5,203,061	12,502	9,778	60	277	2,447	264	20	
12,123	7,738	24,309	3,019	5,642	162,287	5,023	245,370	78,060	70	70	70	70	70	70	21	
32,050	45,924	130,408	76	6,034	13,422	612,460	2,750	948,575	333,365	70	-----	349	349	349	22	
3,800	2,100	27,811	1,380	1,188	220,138	5,604	324,638	92,836	349	-----	-----	-----	-----	-----	23	
326,050	392,113	5,013,577	9,717	15,473	124,757	4,972,055	117,723	12,432,094	7,342,316	5,717	2,950	30	105	2,572	60	24
107,033	120,119	2,173,408	68	11,248	102,065	1,784,495	121,525	5,165,774	3,250,754	2,841	1,221	157	1,403	60	24	
2,080	5,295	18,145	475	2,072	187	40,488	581	89,251	39,182	14	14	14	14	14	25	
25,739	10,636	223,065	360	20,675	375,068	69,016	849,326	403,442	1,391	1,070	190	16	115	115	26	
8,157	5,348	10,496	1,586	634	39,211	442	70,322	30,660	100	100	100	46	46	344	27	
14,585	4,812	113,111	1,020	5,287	188,498	5,631	308,072	173,943	390	-----	-----	-----	-----	-----	28	
1,428,255	755,003	5,751,628	27,306	74,498	1,844,017	118,340,134	2,890,883	141,842,024	20,602,907	108,519	103,818	1,080	3,011	8	7,425	29
157,376	153,532	1,051,988	32,710	10,535	2,472,610	3,408,063	12,228	8,221,413	4,801,122	399	125	125	214	214	30	
442,591	51,537	1,027,637	26,175	600	1,364,167	16,521	5,501,280	4,210,601	131	10	10	101	101	20	31	
23,780	18,475	51,094	250	2,514	21,572	6,065,985	13,009	949,473	260,819	972	645	645	75	75	252	32
2,400	420	10,582	1,284	86	27,556	559	61,275	33,160	36	-----	2	-----	36	36	33	
29,715	2,500	82,040	915	41,042	314,633	21,452	62,022	292,937	82	80	80	2	2	60	34	
84,706	30,116	234,407	313	177,448	1,584,294	96,174	2,740,393	1,059,925	1,260	1,256	1,256	4	4	136	35	
7,900	5,640	69,767	567	1,146	138,853	2,935	257,526	145,738	300	180	180	2	2	118	12	
708,213	618,757	4,023,052	20,204	176,453	1,343,233	18,277,424	1,533,631	31,722,521	11,911,466	20,978	10,667	1,800	384	8,127	5,059	37

Lithographing	1	Paving materials	1	Salt	2	Sulphuric, nitric, and mixed acids	1
Military and lace goods, trimmed hats, hat frames, etc.	2	Plumbers' supplies, not elsewhere specified	1	Sand-lime brick	1	Surgical appliances	1
Minerals and earths, ground	1	Pottery	1	Show cases	1	Suspenders, garters, and elastic woven goods	1
Mirrors, framed and unframed, not elsewhere specified	1	Printing and publishing, music	1	Signs and advertising novelties	2	Tinware, not elsewhere specified	3
Models and patterns, not including paper patterns	3	Printing materials	1	Stamped ware	1	Tobacco, smoking	1
Musical instruments, piano materials	1	Pumps, steam	2	Stationery goods, not elsewhere specified	1	Trunks and valises	2
Oil, vegetable and mineral	4	Refrigerators	1	Statuary and art goods	1	Typewriters and parts	1
Paints	2	Regalia, and society badges and emblems	1	Steam and hot-water radiators and cast-iron heating boilers	1	Umbrellas and canes	3
Paper and wood pulp	3	Rubber tires, tubes, and rubber goods, not elsewhere specified	1	Steam packing	1	Varnishes	1

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

4,712,303	5,207,020	24,613,826	430,718	572,041	9,072,703	110,303,821	3,004,678	182,798,561	69,490,002	52,507	22,227	2,790	846	26	644	4,340	1
18,940	13,495	142,705	-----	6,240	2,303	295,154	4,970	535,151	235,027	431	-----	25	106	-----	2	-----	2
6,335	8,712	77,165	240	10,054	1,706	109,548	2,100	269,857	158,200	48	-----	48	-----	48	-----	3	
180,524	136,780	497,004	1,134	12,166	926,502	14,342,410	16,711	18,310,111	3,950,981	525	-----	125	400	104	104	104	4
5,910	35,288	76	2,090	61	17,453	628	9,045	72,964	22	-----	-----	-----	22	-----	22	-----	5
11,039	1,005	30,283	-----	2,015	1,317	78,078	1,513	141,324	61,733	88	-----	-----	88	-----	88	-----	6
49,200	20,513	161,452	-----	7,838	9,979	413,781	6,236	704,883	374,866	146	-----	146	260	12	12	12	8
138,689	33,941	444,303	-----	7,155	85,596	1,601,415	8,546	2,903,059	1,233,098	1,900	1,700	1,700	1,700	1,700	1,700	1,700	9
104,725	240,393	1,198,882	2,313	53,848	127,640	5,635,475	177,278	9,209,038	3,396,285	1,278	145	20	1,113	1	1,113	1	10
13,100	18,472	93,866	-----	695	3,633	239,914</td											

MANUFACTURES—LOUISIANA.

TABLE 31.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.	
		Total.	Proprietors and firm members, and managers.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.		
								Maximum month.	Minimum month.							

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	Carriages and wagons, including repairs.	7	80	7	4	1	1	67	De ^a	72	Ja	62	73	73	Dollars. 108,182	
2	Cars and general shop construction and repairs by steam-railroad companies.	5	2,048	—	29	51	6	1,962	De	2,067	Je	1,849	2,067	2,031	36	1,690,735
3	Clothing, men's.	16	1,102	12	40	34	17	999	De	1,036	Ja	943	1,036	124	885 3 24	2,160,214
4	Clothing, women's.	12	318	13	18	14	7	266	My	294	No	246	291	10	276 1 5	484,945 5
5	Coffee and spice, roasting and grinding.	22	980	9	67	506	144	254	Jy	272	Ap	240	259	136	118	6,055,269
6	Confectionery and ice cream.	24	885	14	35	74	41	721	—	—	—	—	777	243	508 2 24	1,064,752
7	Confectionery.	16	762	9	26	67	23	637	No	735	Je	521	692	160	506 2	1,375,139 280,613
8	Ice cream.	8	123	5	9	7	18	84	Oc ^b	86	De ^b	81	85	83	2	581,789
9	Cooperage, hogsheads and barrels.	12	213	10	14	9	—	180	De	230	Je	132	230	230	—	724,297
10	Copper, tin, and sheet-iron work.	18	392	11	23	24	9	325	De	385	Fe	277	385	383	1 1	132,029
11	Flavoring extracts.	4	45	3	5	15	1	21	Ap	23	Fe	18	20	4	16	5,018,820
12	Food preparations, not elsewhere specified.	33	1,060	32	51	219	25	739	—	—	—	—	915	530	370 10 5	3,820,916
13	Breadstuffs, macaroni, vermicelli, noodles, and sweetening sirups.	23	673	22	37	167	17	430	De	556	Je	325	563	399	149 10 .5	98,724
14	All other food preparations for human consumption.	5	223	4	3	3	2	211	De ^a	242	Au	60	242	22	220	1,090,150
15	Prepared feed for animal and fowl consumption.	5	170	6	11	49	6	98	Ap	123	No ^a	85	110	109	1	8,597,244
16	Foundry and machine-shop products.	38	1,462	27	75	105	22	1,233	Au	1,431	Fe	946	1,347	1,344	3	1,491,875
17	Furniture.	17	670	9	43	39	15	564	De	520	Ja	466	520	417	93 10	1,288,160
18	Wood furniture, other than rattan and willow.	12	570	5	36	31	13	485	—	—	—	—	—	—	—	203,715
19	Metal furniture, and store and office fixtures.	5	100	4	7	8	2	79	Au	83	Jy ^a	75	82	82	—	501,123
20	Ice, manufactured.	20	397	3	52	28	1	313	Jy	395	De	242	297	287	10	2,247,920
21	Jewelry.	7	103	8	7	9	8	71	De	73	Se ^a	70	73	72	1	51,577
22	Liquors, malt.	8	510	—	35	57	1	426	Se	503	Fe	302	487	484	3	6,580,394
23	Lumber, planing-mill products, not including planing mills connected with sawmills.	28	716	10	48	64	17	577	Oc	674	Mh	473	633	630	1 2	2,660,215
24	Marble and stone work, monuments and tombstones.	9	123	10	8	11	—	94	Se	109	Ja	70	97	97	—	501,123
25	Mattresses and spring beds, not elsewhere specified.	8	288	4	12	22	6	244	Se	250	Je	239	248	198	46 4	771,355
26	Mineral and soda waters.	14	171	10	17	40	9	95	Jy	131	Fe ^a	69	98	78	20	537,110
27	Patent medicines and compounds.	14	159	7	24	14	7	107	De	127	Au ^a	97	127	38	64 10 9	360,872
28	Printing and publishing, book and job.	82	911	66	101	61	33	650	De	680	Mh	620	600	551	120 19	1,840,196
29	Printing and publishing, newspapers and periodicals.	36	841	19	65	397	108	252	—	—	—	—	256	240	12 4	2,144,963
30	Printing and publishing.	6	705	2	31	359	90	223	Au ^a	230	Ja	208	227	216	9 2	1,047,122
31	Printing, publishing, and job printing.	4	35	2	4	2	2	25	De ^a	25	No ^a	24	25	21	3 1	50,459
32	Publishing without printing.	26	101	15	30	36	16	4	(1)	4	(4)	4	4	3	1	147,382
33	Rice, cleaning and polishing.	9	490	6	34	82	8	365	Oc	593	Jy	142	611	609	2	2,704,237
34	Roofing materials.	3	71	1	7	4	3	56	Ja	66	De ^a	37	63	63	4	264,057
35	Shirts.	5	46	7	2	6	1	30	Oc ^a	33	Ja ^a	27	30	4	26	26,937
36	Tobacco, cigars and cigarettes.	43	2,373	37	59	95	23	2,159	No	2,282	Jy	2,049	2,214	431	1,926 8	4,490,258
37	Window and door screens.	6	32	8	1	—	1	22	De	28	Fe ^a	18	28	28	2	24,481
38	All other industries*.	192	11,825	148	425	702	288	10,262	—	—	—	—	11,968	9,037	2,552 117 202	65,778,067

*All other industries embrace—	Canning and preserving, fish.	3	Electrical machinery, apparatus, and supplies.	4	Haircloth.	1
Airplanes, seaplanes, and airships, and parts.	Cannings and preserving, vegetables.	1	Electroplating.	2	Hand stamps.	1
Artificial limbs.	Cars and general shop construction and repairs by electric-railroad companies.	2	Engines, steam, gas, and water.	1	Hats and caps, other than felt, straw, and wool.	1
Artificial stone products.	Chemicals.	3	Engraving and diesinking.	1	Hats, wool-felt.	2
Automobiles.	Cleansing and polishing preparations.	1	Engravings, steel and copper plate, including plate printing.	1	House-furnishing goods, not elsewhere specified.	1
Awnings, tents, and sails.	Coffins, burial cases, and undertakers' goods.	1	Fancy articles, celluloid novelties.	1	Knit goods.	3
Bags, paper, exclusive of those made in paper mills.	Cordials and flavoring syrups.	2	Flour-mill and gristmill products.	2	Leather goods, not elsewhere specified.	1
Baskets, and rattan and willow ware.	Cork, cutting.	1	Furnishing goods, men's neckwear.	1	Leather, tanned, curried, and finished.	1
Belting, leather.	Cotton goods.	3	Gas and electric fixtures.	1	Liquors, distilled, grain alcohol.	2
Bluing.	Crucibles, clay.	1	Gas, illuminating and heating.	1	Lithographing.	1
Boots and shoes.	Dental goods.	2	Glass, cutting, staining, and ornamenting.	1	Lumber and timber products.	2
Brass, bronze, and copper products.	Druggists' preparations.	1	Gold and silver, reducing and refining, not from the ore.	2		
Brushes.	Dyestuffs and extracts—natural.	1				

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1 ALEXANDRIA.....	52	863	34	58	20	18	724	No	874	My	609	880	844	41	4	2,236,652
2 BATON ROUGE.....	50	639	42	56	18	23	500	My	584	Oc	450	620	502	67	—	1,917,040
3 LAKE CHARLES.....	45	1,397	27	56	77	15	1,222	Oc	1,301	Ja	1,138	1,201	1,216	35	39	6,116,819
4 MONROE.....	34	887	42	52	37	11	745	De	913	My	689	921	903	13	13	3,070,925
5 SHREVEPORT.....	87	2,578	53	140	169	80	2,127	De	2,268	Je	1,968	2,427	2,319	77	31	8,389,095

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—LOUISIANA.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.						Electric horse-power generated in establishments reporting.
Salaries and wages.			Rent and taxes.			For materials.			Value of products.	Value added by manufacture.	Primary horsepower.				Electric horse-power generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Owned.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent ² .	

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars, 6,379	Dollars, 1,404	Dollars, 65,005	Dollars, 2,207	Dollars, 1,833	Dollars, 90,143	Dollars, 2,701	Dollars, 191,857	Dollars, 102,013	122	.....	.....	.....	.....	122	1
37,200	64,578	2,951,212	.....	33,156	1,160,092	64,234	4,310,476	3,080,150	1,035	525	.....	365	.....	145	930
146,716	101,076	441,838	26,026	16,558	45,722	1,855,097	11,646	8,032,589	1,165,846	205	25	.....	.....	180	3
32,075	20,073	120,741	47,358	8,172	3,387	655,673	2,758	1,095,053	436,622	57	.....	.....	.....	57	4
204,342	767,991	230,306	.....	20,188	92,870	5,531,218	30,085	7,038,851	2,077,548	502	15	.....	10	537	5
138,789	218,190	363,517	.....	16,689	110,004	2,506,322	36,829	4,180,242	1,637,091	678	60	.....	.....	618	6
121,137	192,360	303,996	.....	13,669	106,581	1,730,814	23,650	3,120,241	1,365,777	510	60	.....	.....	450	7
17,652	25,830	50,521	.....	3,020	3,513	775,508	13,179	1,060,001	271,314	168	.....	.....	.....	168	8
25,482	9,480	147,214	4,203	25,444	583,645	3,047	954,824	367,232	218	180	.....	12	.....	26	9
82,020	34,068	328,051	5,458	7,441	30,798	627,166	9,012	1,280,405	644,227	431	.....	.....	.....	431	10
9,810	26,597	8,507	.....	2,875	862	163,463	640	204,101	99,998	38	.....	.....	.....	38	11
152,682	363,640	428,145	280	20,236	169,608	9,075,878	56,045	11,522,234	2,389,711	1,504	230	.....	.....	1,364	12
127,627	273,716	272,020	280	13,104	124,708	5,859,521	35,651	7,628,537	1,733,365	775	95	.....	.....	690	13
7,485	5,089	68,092	.....	3,000	33,172	244,104	7,330	407,767	150,333	168	135	.....	.....	33	14
17,550	83,935	86,533	.....	3,142	11,728	2,972,253	13,664	3,485,930	500,013	651	.....	.....	.....	651	15
285,272	186,955	1,055,684	70,640	23,993	256,243	2,611,419	73,305	6,697,455	4,012,641	2,237	736	91	.....	1,410	16
77,379	51,070	411,062	10,518	69,388	967,604	12,536	1,915,933	935,753	696	250	12	.....	434	15	
65,822	44,403	334,403	.....	8,898	65,513	764,395	7,564	1,552,474	780,515	505	250	.....	.....	315	18
11,557	7,276	70,659	.....	1,020	3,855	203,209	4,072	363,419	155,238	131	.....	12	.....	119	19
135,737	34,756	362,206	9,236	600	99,314	194,613	451,304	2,066,549	1,420,542	4,836	3,411	160	.....	1,265	20
12,625	10,853	70,306	243	4,851	16,679	51,388	1,999	236,499	183,112	41	.....	.....	41	21	
172,117	101,765	452,427	.....	1,323,798	1,484,939	118,622	5,777,944	4,174,383	3,220	2,580	.....	.....	640	708	
137,142	76,034	543,311	112	7,612	32,029	1,940,040	15,766	3,089,611	1,133,775	2,210	1,686	14	.....	510	23
32,568	10,740	169,043	465	305	6,015	189,060	10,030	517,454	318,346	286	150	.....	33	103	24
92,680	43,903	152,636	287	5,218	46,013	653,798	6,998	1,280,569	619,773	321	.....	.....	.....	321	25
41,160	69,837	71,804	.....	3,412	58,805	432,407	6,002	944,708	506,299	171	.....	8	.....	183	26
94,592	25,302	49,096	5,454	63,878	306,082	1,031	744,823	437,710	24	.....	.....	.....	24	27	
251,025	106,562	577,834	82,342	66,881	40,096	917,236	27,636	2,451,384	1,506,402	658	.....	.....	.....	658	28
234,025	505,140	269,045	125,621	30,982	112,306	1,400,749	18,725	3,450,454	2,030,980	808	.....	.....	.....	808	29
159,139	406,002	248,648	23,599	23,800	107,042	1,351,542	17,916	3,070,961	1,707,503	771	.....	.....	771	30	
7,091	1,225	19,513	.....	1,120	26	15,619	809	61,539	45,111	37	.....	.....	37	31	
68,695	37,802	884	102,022	6,062	4,038	33,588	33,837	311,954	278,366	.....	.....	.....	.....	165	32
140,822	119,870	220,233	.....	4,025	150,869	11,605,561	67,837	12,918,939	1,245,551	3,487	2,225	.....	.....	1,262	33
12,123	7,738	24,309	.....	3,919	5,642	102,287	8,023	245,370	78,030	70	70	.....	.....	34	34
2,080	5,205	18,145	475	2,972	187	49,488	581	88,251	38,182	14	.....	.....	14	35	
157,395	153,240	1,048,930	32,710	16,160	2,471,400	3,404,105	12,189	8,212,271	4,795,977	334	125	.....	.....	200	36
2,400	420	19,582	.....	1,284	85	27,556	559	61,275	33,160	36	.....	.....	36	37	
1,400,340	1,603,819	10,400,039	25,702	173,705	2,049,948	38,822,500	1,735,940	64,863,798	24,305,349	23,486	8,054	2,630	131	12,671	1,103

Millinery and lace goods, trimmed hats, hat frames, etc. Mirrors, framed and unframed, not elsewhere specified. Models and patterns, not including paper patterns. Musical Instruments, piano materials. Oil and cake, cottonseed. Oil, vegetable and mineral. Paints. Perfumery and cosmetics. Petroleum, refining. Photo-engraving. Pickles, preserves, and sauces. Plumbers' supplies, not elsewhere specified.

Pottery. Printing and publishing, music. Printing materials. Pumps, steam. Refrigerators. Regalia, and society badges and emblems. Rubber tires, tubes, and rubber goods, not elsewhere specified. Saddlery and harness. Sand-lime brick. Sausage, not made in slaughtering and meat-packing establishments. Shipbuilding, steel. Shipbuilding, wooden, including boat building. Show cases. Signs and advertising novelties. Slaughtering, wholesale. Soap. Stamped ware. Stationery goods, not elsewhere specified. Statuary and art goods. Steam and hot-water radiators and cast-iron heating boilers. Structural ironwork, not made in steel works or rolling mills. Sugar, refining. Sulphuric, nitric, and mixed acids. Surgical appliances. Suspenders, garters, and elastic woven goods. Tinware, not elsewhere specified. Tobacco, smoking. Trunks and valises. Typewriters and parts. Umbrellas and canes. Upholstering materials, not elsewhere specified. Varnishes. Vinegar. Wood distillation. Wood, turned and carved.

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

137,091	69,730	621,420	20,070	15,745	98,124	2,926,158	106,648	4,340,790	1,316,984	2,881	1,997	19	.....	865	15
86,803	491,111	11,540	13,616	33,381	2,423,458	98,045	3,604,282	1,082,779	1,631	1,092	520	55	52	55	
163,929	114,133	1,426,398	110,150	13,322	244,266	5,240,208	85,171	8,290,789	2,965,320	6,544	4,525	135	21	1,863	35
125,021	50,542	720,836	10,033	51,541	2,634,639	197,070	4,159,104	1,327,395	2,942	2,152	345	.....	445	378	
404,308	279,526	2,381,036	85,728	50,764	281,106	7,133,312	134,000	12,876,487	5,069,155	6,385	4,240	140	270	1,720	1,499

⁸ Same number reported for one or more months.⁴ Same number reported throughout the year.

MAINE.

GENERAL STATISTICS.

General character of the state.—Maine has a gross area of 33,040 square miles, of which 29,895 represent land surface. The inhabitants of the state in 1900 numbered 694,466; in 1910, 742,371; and in 1920, 768,014. In total population Maine ranked thirty-fifth among the states in 1920. The number of inhabitants per square mile in 1910 was 24.8, the corresponding figure for 1920 being 25.7.

In 1920, there were nine cities in the state—Auburn, Augusta, Bangor, Bath, Biddeford, Lewiston, Portland, Sanford, and Waterville—having more than 10,000 inhabitants. The statistics for Sanford, however, can not be shown without the possibility of disclosing the operations of individual establishments. The combined population of these nine cities in 1920 was 214,921, and formed 28 per cent of the total population for the state. In 1919, these cities, exclusive of Sanford, reported 33.8 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The increases in wages, cost of materials, and the value of products from 1914 to 1919, as presented in Table 1, are in a great measure due to the changes in industrial conditions brought about by the World War. The addition of the Federal income tax since 1914 accounts for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those for prior censuses.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is often misleading as indicating their importance from a manufacturing standpoint. Their ranking might change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex for 1919 was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 33.

Average number of wage earners, for selected industries (Table 5).—The industries covered by this table are those which employed 300 or more wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—During the census period 1914–

1919, all cities show increases in value of products, due largely to the increased value of commodities at the latter period. The largest actual increase in value of products during this period \$19,144,342, or 180.3 per cent, was in the city of Lewiston.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and also for cities of 10,000 inhabitants or more. There were a number of industries in the state in 1919 in which female wage earners predominated.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Maine. In that year only 6.8 per cent of the wage earners were reported in the group "48 and under" as against 31.5 per cent in 1919. In 1914 the "60" and "over 60" groups constituted 24.2 per cent of the total wage earners, as compared with 6.9 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 94.2 per cent were in classes having fewer than 101 wage earners, while such establishments employed but 29.8 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 5.8 per cent of the total manufacturing establishments in the state, but reported 70.2 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at \$100,000 to \$1,000,000 constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups of all items for 1909, and for the average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of

MANUFACTURES—MAINE.

this table it was necessary in some instances to combine the establishments of one group with those of some other group to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of the extent of manufacturing activities.

Character of ownership (Table 14).—The predominance of corporate ownership is clearly brought out in this table. Although corporations owned but 29.8 per cent of the number of establishments in the state in 1919, they reported 88.7 per cent of the average number of wage earners and 89.8 per cent of the total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 12,004, or 18 per cent, and the value of products, \$244,883,282, or 148.3 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in these eight cities in 1919 represented 25.9 per cent

of the total in the state. They reported in that year 37.9 per cent of the average number of wage earners, and 33.8 per cent of the value of products.

Principal industries in Portland, with per cent of total for the state (Table 16).—This table includes all industries in the city of Portland having products of \$500,000 and over for which figures can be shown without disclosing the operations of individual establishments.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 59,817 horsepower, or 12.3 per cent. Of this increase, 13,176 horsepower, or 22 per cent, was owned power, and 46,641, or 78 per cent, rented power.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. In 1919 the paper and wood pulp industry consumed 60.7 per cent of the bituminous coal and 86.7 per cent of the fuel oils reported by the manufacturing establishments in the state.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	2,995	3,378	3,546	3,145	2,878	-11.3	-4.7	12.8	9.3
Persous engaged.....	90,312	90,758	88,476	82,100	(3)	0.4	2.6	7.8	.....
Proprietors and firm members.....	2,745	3,344	3,661	3,379	(2)	-17.9	-8.7	8.3	.....
Salaried employees.....	7,916	5,205	4,880	3,772	3,103	50.4	8.3	28.8	21.6
Wage earners (average number).....	83,651	82,149	79,955	74,968	69,914	7.9	2.7	0.7	7.2
Primary horsepower.....	547,028	487,211	459,590	343,627	250,232	12.3	6.0	33.7	32.6
Capital.....	\$119,158,006	\$233,844,434	\$202,259,592	\$143,707,750	\$114,007,715	79.2	15.6	40.7	26.1
Salaries and wages.....	111,728,199	50,522,961	43,428,798	36,680,556	28,781,411	121.1	16.3	18.4	27.4
Salaries.....	17,502,853	7,260,258	5,706,514	3,988,707	3,050,676	140.8	25.4	45.3	30.8
Wages.....	94,225,346	43,253,703	37,632,284	32,691,799	25,730,735	117.8	14.9	15.1	27.1
Paid for contract work.....	3,630,949	2,345,876	2,502,345	1,970,885	(2)	54.8	-8.4	30.0	.....
Rent and taxes.....	20,801,882	2,723,681	2,058,254	1,282,705	(2)	663.7	32.3	.....	.....
Cost of materials.....	254,568,523	117,654,909	97,101,224	80,042,000	61,210,327	116.4	21.2	21.3	30.8
Value of products.....	456,821,783	200,450,118	176,029,393	143,020,197	112,959,098	127.9	13.0	22.2	27.5
Value added by manufacture ²	202,253,200	82,795,209	78,928,169	63,978,107	51,748,771	144.3	4.9	23.4	23.6

¹ A minus sign (—) denotes decrease.² Figures not available.³ Exclusive of internal revenue.⁴ Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establish-ments.	WAGE EARNERS.		Rent and taxes.	Cost of ma-terials.	Value of products.	Value added by manufac-ture.	Primary horse-power.
		Average number.	Wages.					
The state.....	2,995	88,651	\$94,225,346	\$20,801,882	\$254,568,523	\$450,821,783	\$202,253,200	547,028
Androscoggin.....	279	14,278	13,706,262	3,633,935	40,013,255	69,302,965	20,349,710	52,712
Aroostook.....	178	2,898	2,849,094	246,707	5,895,301	11,788,146	5,892,845	12,618
Cumberland.....	518	12,214	14,039,145	1,838,234	34,065,348	61,096,668	27,031,320	66,030
Franklin.....	117	2,741	2,741,025	420,528	8,531,615	15,344,840	6,813,225	29,637
Hancock.....	156	1,328	1,145,965	108,201	3,133,968	5,441,096	2,307,128	6,465
Kennebec.....	225	9,239	9,302,277	3,191,536	30,134,505	52,736,236	22,601,731	41,342
Knox.....	177	2,733	2,614,065	280,273	6,069,906	10,740,625	4,670,029	7,904
Lincoln.....	82	635	672,516	49,891	1,330,944	2,537,381	1,200,437	2,669
Oxford.....	167	5,073	5,771,454	2,087,967	19,133,553	34,484,227	15,350,374	41,483
Penobscot.....	306	8,945	8,794,554	2,185,010	28,872,121	51,794,033	22,921,912	121,245
Piscataquis.....	65	2,091	2,495,927	615,578	4,303,149	8,974,656	4,671,507	8,383
Sagadahoc.....	69	6,184	8,357,380	886,045	10,377,888	24,070,852	13,692,964	24,555
Somerset.....	137	3,687	4,216,243	940,284	12,034,513	20,354,776	8,300,263	35,877
Waldo.....	168	1,300	1,366,043	165,389	5,911,210	8,795,865	2,884,655	5,833
Washington.....	147	3,810	3,499,760	734,450	14,680,790	22,090,383	7,409,593	33,200
York.....	204	11,495	11,053,036	3,432,854	30,074,067	57,229,034	27,154,967	56,895

MANUFACTURES—MAINE.

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen-sus year.	Wage earners (aver-age num-ber).	PER CENT OF TOTAL.		INDUSTRY.	Cen-sus year.	Wage earners (aver-age num-ber).	PER CENT OF TOTAL.				
			16 years of age and over.					16 years of age and over.				
			Male.	Female.				Male.	Female.			
All industries.....	1919	88,651	77.0	22.5	0.4	Lumber and timber products.....	1919	9,794	99.1	0.9		
	1914	82,149	76.9	22.1	1.0		1914	13,448	99.9	0.1		
	1909	79,955	75.8	22.5	1.7	Lumber, planing-mill products, not includ-ing planing mills connected with sawmills.....	1919	780	94.2	5.4		
Automobile repairing.....	1919	400	99.2	0.8		1914	643	99.7	0.2			
	1914	239	99.6	0.4	Marble and stone work.....	1919	1,041	99.6	0.2			
Boots and shoes, not including rubber boots and shoes.....	1919	9,019	60.5	38.9	0.6	1914	1,833	99.7	0.2			
	1914	8,815	61.4	34.9	0.7	Paper and wood pulp.....	1919	13,058	94.6	5.4		
Boxes, paper and other, not elsewhere speci-fied.....	1919	443	29.3	70.0	0.7	1914	10,033	94.8	5.2			
Boxes, wooden packing, except cigar boxes.....	1919	918	94.9	4.8	0.3	Printing and publishing, book and job.....	1919	380	68.9	28.2		
	1914	815	98.8	1.2	1914	443	71.6	27.8	0.7			
Bread and other bakery products.....	1919	809	66.1	32.3	1.6	Printing and publishing, newspapers and per-iodicals.....	1919	1,154	50.9	42.4		
	1914	729	75.0	22.8	1.4	1914	1,265	54.0	42.0			
Canning and preserving, fish.....	1919	2,721	49.9	49.0	1.1	Shipbuilding, steel ^a	1919	4,485	99.1	0.6		
	1914	2,766	48.7	50.7	0.7	Shipbuilding, wooden, including boat building.....	1919	2,515	90.6	0.3		
Canning and preserving, fruits and vegetables.....	1919	1,048	59.3	39.1	1.6	1914	461	99.1	0.9			
	1914	1,017	65.5	29.8	4.7	Shirts.....	1919	546	18.7	81.1		
Cars and general shop construction and re-pairs by steam-railroad companies.....	1919	1,721	99.4	0.6	1914	617	17.8	81.5				
	1914	1,344	100.0		Tinware, not elsewhere specified ^a	1919	380	71.3	28.7			
Confectionery and ice cream.....	1919	813	46.0	53.4	0.6	Wood, turned and carved.....	1919	1,283	87.8	12.2		
	1914	277	56.7	42.2	1.1	1914	1,059	90.5	9.2			
Cotton goods.....	1919	11,763	50.9	48.3	0.8	Wooden goods, not elsewhere specified.....	1919	476	67.0	32.8		
	1914	13,834	52.1	44.8	3.1	1914	299	77.3	21.4			
Foundry and machine-shop products ¹	1919	3,908	97.6	2.3	(2)	Woolen and worsted goods.....	1919	9,913	64.1	35.1		
	1914	2,405	98.2	1.7	1914	7,908	64.2	33.7				
Leather, tanned, curried, and finished.....	1919	306	97.1	2.9	1914	10,503	80.6	19.2				
	1914	358	100.0		All other industries.....	1919	8,577	76.5	23.2			
						1914	10,503	80.6	0.3			

¹ Includes "machine tools" and "textile machinery and parts."² Less than one-tenth of 1 per cent.³ Not shown separately in 1914.

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY. ¹	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.	
	Total.			16 years of age and over.						Under 16 years of age.				
				Male.		Female.								
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909		
Auburn.....	5,850	4,811	3,452	3,641	3,326	2,202	2,205	1,466	1,070	4	19	90	\$27,852,043	
Augusta.....	2,343	2,231	2,275	1,476	1,500	1,301	838	697	939	29	34	35	\$13,839,004	
Bangor.....	1,153	1,200	1,327	927	1,025	1,113	225	175	211	1	3	3	11,980,239	
Bath.....	5,312			5,101			99			22			5,544,040	
Biddeford.....	4,469	5,054	5,076	3,267	3,360	3,335	1,100	1,542	1,568	12	152	173	20,634,401	
Lewiston.....	6,566	6,222	6,788	3,475	3,357	3,435	3,072	2,773	3,102	19	92	251	9,536,381	
Portland.....	5,486	5,197	4,902	4,232	4,108	3,049	1,224	1,057	1,222	30	32	31	10,619,045	
Waterville.....	2,432	2,002	1,812	1,587	1,298	958	808	698	609	37	60	245	10,475,374	
													3,557,300	
													3,345,717	
													19,377,323	

¹ Excludes Sanford, to avoid disclosure of individual operations.

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919		1914	1919		1914		1919		1914	1919		1914
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	84,884	82,527	76,737	80.3	93.7	89.7	July.....	89,503	78,888	76,489	91.0	80.6	89.5
February.....	79,402	82,406	77,541	80.8	93.6	90.7	August.....	94,092	79,811	78,086	95.6	90.6	91.3
March.....	78,696	81,457	77,956	80.0	92.5	91.2	September.....	98,407	88,053	85,369	100.0	100.0	99.8
April.....	78,698	79,169	77,722	80.0	89.9	90.9	October.....	97,474	87,519	85,501	99.1	90.4	100.0
May.....	85,289	83,812	81,355	86.7	95.2	95.2	November.....	95,134	83,540	84,408	96.7	94.0	98.8
June.....	87,769	80,810	79,315	89.2	91.8	92.8	December.....	94,374	77,790	78,925	95.9	88.4	92.3

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

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TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Aver- age num- ber em- ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent mini- mum is of maxi- mum.
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	Decem- ber.	
All industries.....	88,651	84,884	70,492	78,696	78,698	85,280	87,709	80,503	94,002	98,407	97,474	95,134	94,374	80.0
Males.....	68,530	66,215	63,522	63,314	62,570	60,440	67,564	68,619	71,247	73,753	73,722	72,783	72,605	84.8
Females.....	20,121	18,669	15,970	15,333	16,122	18,849	20,205	20,884	22,845	24,654	23,752	22,351	21,769	62.4
Automobile repairing.....	400	286	294	300	375	427	485	510	510	490	427	360	336	56.1
Boots and shoes, not including rubber boots and shoes.....	9,919	9,845	9,854	9,459	8,730	8,520	8,728	8,997	9,904	10,593	11,018	11,509	11,865	71.9
Boxes, paper and other, not elsewhere specified.....	443	426	424	449	447	427	481	413	444	428	480	483	514	74.1
Boxes, wooden packing, except cigar boxes.....	918	775	746	767	759	724	747	944	1,016	1,065	1,104	1,171	1,198	60.4
Bread and other bakery products.....	809	753	728	743	780	787	802	826	831	850	875	863	870	83.2
Canning and preserving, fish.....	2,721	886	859	890	1,052	1,832	3,309	4,100	5,578	5,592	4,867	2,407	1,250	15.4
Canning and preserving, fruits and vegetables.....	1,048	191	113	80	156	118	153	237	1,823	5,146	2,579	1,313	667	1.6
Cars and general shop construction and repairs by steam railroad companies.....	1,721	1,634	1,697	1,671	1,700	1,725	1,714	1,601	1,729	1,754	1,776	1,744	1,808	90.4
Confectionery and ice cream.....	313	260	276	293	278	207	311	346	344	332	356	335	328	73.0
Cotton goods.....	11,763	13,106	7,044	6,661	7,444	12,785	13,079	13,291	13,311	13,427	13,402	13,495	13,511	49.3
Foundry and machine-shop products.....	2,171	2,328	2,200	2,216	2,173	2,132	2,174	2,188	2,171	2,098	2,118	2,117	2,041	87.7
Leather, tanned, curried, and finished.....	306	278	286	285	286	270	270	273	319	315	351	356	374	72.2
Lumber and timber products.....	9,794	11,130	10,620	9,902	8,527	9,320	9,031	8,378	8,363	9,188	10,530	11,423	11,207	72.5
Lumber, planing-mill products, not including plan- ing mills connected with sawmills.....	780	737	616	566	628	815	806	857	820	861	882	909	850	62.3
Marble and stone work.....	1,041	510	489	779	1,008	1,277	1,313	1,246	1,268	1,204	1,189	1,148	1,001	37.2
Paper and wood pulp.....	13,058	12,620	12,698	12,983	12,434	12,402	12,492	13,311	13,518	13,650	13,540	13,537	13,451	91.1
Printing and publishing, book and job.....	350	374	370	352	374	373	375	373	375	372	380	397	415	89.2
Printing and publishing, newspapers and periodicals.....	1,154	1,180	1,215	1,221	1,206	1,164	1,148	1,112	1,056	1,002	1,114	1,154	1,177	86.5
Shipbuilding, steel.....	4,485	4,341	4,993	5,125	4,935	4,674	4,581	4,333	4,276	3,978	3,946	4,134	4,504	77.0
Shipbuilding, wooden, including boat building.....	2,515	3,360	3,432	3,204	2,825	2,885	2,774	2,686	2,367	1,901	1,659	1,558	1,459	41.9
Shirts.....	546	496	542	561	553	544	529	521	528	540	554	578	606	81.8
Textile machinery and parts.....	1,732	1,605	1,638	1,607	1,658	1,675	1,721	1,715	1,769	1,778	1,812	1,902	1,904	84.3
Thiware, not elsewhere specified.....	380	196	298	320	368	357	413	488	577	556	503	287	107	34.0
Wood, turned and carved.....	1,283	1,232	1,273	1,350	1,395	1,347	1,318	1,265	1,259	1,191	1,231	1,235	1,300	85.4
Wooden goods, not elsewhere specified.....	476	525	551	516	565	559	495	574	598	598	598	598	545	66.2
Woolen goods.....	6,915	4,902	4,693	5,222	6,757	7,273	7,548	7,723	7,603	7,546	7,816	7,639	8,168	57.5
Worsted goods.....	2,998	2,621	2,681	2,734	2,659	2,804	3,007	3,114	3,169	3,159	3,259	3,294	3,415	76.7
All other industries.....	8,582	8,278	8,166	8,320	8,562	7,650	8,126	8,201	8,667	8,910	9,318	9,293	9,394	81.4
<i>Industries showing large proportion of females.</i>														
Boots and shoes, not including rubber boots and shoes.....	3,883	3,947	3,887	3,640	3,460	3,808	3,405	3,529	3,825	4,212	4,325	4,461	4,533	72.9
Boxes, paper and other, not elsewhere specified.....	313	207	313	333	328	311	204	297	330	335	349	349	375.8	
Bread and other bakery products.....	205	243	248	243	201	254	254	270	264	285	285	284	82.7	
Canning and preserving, fish.....	1,347	399	309	299	290	736	1,026	2,047	2,072	3,005	2,704	1,219	558	9.7
Canning and preserving, fruits and vegetables.....	416	95	41	29	78	39	28	73	713	1,919	975	665	337	1.5
Confectionery and ice cream.....	167	151	166	170	100	166	159	166	164	188	177	173	80.3	
Cotton goods.....	5,725	6,388	3,864	3,552	3,770	6,278	6,358	6,403	6,437	6,581	6,390	6,449	6,421	60.9
Paper and wood pulp.....	699	728	690	698	673	688	699	689	730	696	699	705	687	92.2
Printing and publishing, book and job.....	110	112	107	115	108	112	104	101	104	101	110	118	128	78.9
Printing and publishing, newspapers and periodicals.....	490	521	542	546	540	501	481	454	498	425	460	495	517	72.0
Shirts.....	444	396	441	458	452	446	432	425	422	441	452	407	496	79.8
Wood, turned and carved.....	157	165	173	160	151	151	138	139	152	164	170	157	164	79.8
Wooden goods, not elsewhere specified.....	157	179	187	176	185	180	140	111	127	124	118	172	179	59.4
Woolen goods.....	2,284	1,594	1,496	1,635	2,136	2,391	2,470	2,507	2,471	2,844	2,496	2,536	2,732	54.8
Worsted goods.....	1,277	1,161	1,200	1,210	1,165	1,216	1,207	1,318	1,317	1,329	1,349	1,355	1,417	81.5
Total for cities ¹	33,611	34,206	30,960	30,449	29,828	32,080	33,484	33,099	34,508	35,063	35,196	36,169	36,700	81.1
Males.....	23,901	23,984	22,559	22,233	21,748	23,407	23,036	24,032	24,675	24,559	24,592	25,227	25,720	84.6
Females.....	9,710	10,222	8,401	8,166	8,080	9,483	9,518	9,067	9,833	10,504	10,604	10,942	11,070	73.0
AUBURN.....	5,850	6,252	6,097	5,892	5,274	4,709	4,693	4,691	5,432	6,252	6,659	7,001	7,248	64.7
Males.....	3,645	3,703	3,723	3,624	3,237	2,918	2,939	2,954	3,455	3,868	4,199	4,458	4,602	63.4
Females.....	2,205	2,480	2,374	2,268	1,037	1,751	1,737	1,734	2,384	2,460	2,543	2,646	2,646	65.6
AUGUSTA.....	2,343	2,401	2,397	2,259	2,188	2,201	2,203	2,320	2,331	2,421	2,253	2,476	2,486	88.0
Males.....	1,497	1,524	1,510	1,490	1,383	1,470	1,468	1,491	1,522	1,572	1,401	1,547	1,577	87.7
Females.....	846	877	878	769	805	821	825	829	809	849	852	929	900	82.8
BANGOR.....	1,153	1,067	1,075	1,080	1,095	1,120	1,168	1,206	1,220	1,159	1,185	1,233	1,222	86.5
Males.....	928	867	870	880	894	919	955	979	1,009	921	923	957	957	85.9
Females.....	225	200	199	200	201	201	213	227	211	238	262	288	265	70.3
BATH.....	5,312	5,265	5,917	8,025	5,770	5,435	5,435	5,177	5,189	4,785	4,685	4,863	5,198	77.8
Males.....	5,212	5,145	5,704	6,912	5,663	5,334	5,343	5,085	5,102	4,688	4,774	5,110	5,110	77.7
Females.....	100	120	123	113	103	103	92	92	87	97	91	89	88	70.7
BIDDEFORD.....	4,409	5,153	1,848	1,788	1,812	5,218	5,304	5,324	5,338	5,412	5,450	5,480	5,501	32.5
Males.....	3,273	3,623	1,749	1,656	1,709	3,664	3,747	3,757	3,770	3,844	3,883	3,910	3,935	42.8
Females.....	1,196	1,530	99	103	1,554	1,557	1,567	1,567	1,568	1,568	1,567	1,570	1,566	6.3
LEWISTON.....	6,566	6,434	5,940	5,868	5,913	6,216	6,551	6,858	6,892	6,973	6,951	7,081	7,125	82.2
Males.....	3,485	3,330	3,138	3,078	3,140	3,206	3,503	3,089	3,737	3,765	3,722	3,742	3,742	81.9
Females.....	3,081	3,104	2,802	2,782	2,773	2,950	3,048	3,169	3,155	3,218	3,229	3,350	3,383	82.0
PORTLAND.....	5,486	5,284	5,292	5,147	5,216	5,600	5,641	5,756	5,697	5,595	5,532	5,630	5,433	89.4
Males.....	4,253	4,180	4,177	4,028	4,059	4,336	4,387	4,387	4,501	4,481	4,267	4,248	4,118	89.4
Females.....	1,233	1,098	1,115	1,124	1,187	1,264	1,254	1,255	1,216	1,328	1,			

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TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48, ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
			(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
All industries.....	1919	88,651	2,126	4,443	21,400	7,278	44,254	3,043	4,536	1,571
	1914	82,149	(²)	(²)	5,556	3,799	13,208	39,681	16,345	3,500
	1909	79,955	(²)	(²)	4,400	4,378	7,483	15,310	41,696	6,679
Automobile repairing.....	1919	400	2	.....	13	16	247	27	94	1
	1914	239	(²)	(²)	5	1	57	2	169	5
Boots and shoes, not including rubber boots and shoes.....	1919	9,919	.....	.....	628	2,153	7,138	.....	.....	.....
	1914	8,815	.....	.....	73	461	8,029	252	.....	.....
Boxes, paper and other, not elsewhere specified.....	1919	443	23	.....	.....	125	186	85	24	.....
	1914	288	.....	.....	6	158	95	29	.....	.....
Boxes, wooden packing, except cigar boxes.....	1919	918	.....	(²)	1	102	502	146	18	.....
	1914	815	.....	(²)	8	160	352	288	.....	.....
Bread and other bakery products.....	1919	809	14	.....	166	22	533	22	50	2
	1914	729	(²)	(²)	52	10	205	170	258	34
Canning and preserving, fish.....	1919	2,721	47	.....	195	138	774	138	1,333	96
	1914	2,706	(²)	(²)	83	61	244	42	2,335	1
Canning and preserving, fruits and vegetables.....	1919	1,048	.....	.....	14	18	786	.....	231	.....
	1914	1,017	(²)	(²)	65	.....	232	14	706	.....
Cars and general shop construction and repairs by steam-railroad companies.....	1919	1,721	.....	.....	1,682	.....	39	.....	.....	.....
	1914	1,344	.....	.....	889	.....	343	9	103	.....
Confectionery and ice cream.....	1919	813	3	10	75	96	63	20	12	28
	1914	277	(²)	(²)	19	2	131	70	46	10
Cotton goods.....	1919	11,763	.....	.....	.....	11,763	.....	.....	.....	.....
	1914	13,834	.....	.....	.....	.....	13,834	.....	.....	.....
Foundry and machine-shop products ^a	1919	3,908	498	.....	1,624	674	1,109	1	2	.....
	1914	2,405	(²)	(²)	6	23	942	1,263	171	.....
Leather, tanned, curried, and finished.....	1919	306	.....	.....	.....	15	175	59	57	.....
	1914	358	.....	.....	.....	1	308	49	49	.....
Lumber and timber products.....	1919	9,794	63	20	131	138	5,110	1,403	2,246	623
	1914	13,448	(²)	(²)	79	141	1,262	1,532	7,995	2,430
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	780	153	.....	195	133	255	43	.....	1
	1914	643	(²)	(²)	49	17	442	86	40	.....
Marble and stone work.....	1919	1,041	318	.....	516	3	186	.....	.....	18
	1914	1,833	(²)	(²)	1,451	3	310	1	59	.....
Paper and wood pulp.....	1919	13,058	.....	.....	8,694	700	3,549	.....	115	.....
	1914	10,033	(²)	(²)	1,666	1,677	3,753	2,221	12	704
Printing and publishing, book and job.....	1919	380	1	4	287	28	58	1	.....	1
	1914	443	(²)	(²)	100	95	139	4	6	.....
Printing and publishing, newspapers and periodicals.....	1919	1,154	13	4	987	30	106	7	.....	7
	1914	1,285	(²)	(²)	423	111	645	61	25	.....
Shipbuilding, steel ^b	1919	4,485	37	4,317	110	.....	12	.....	.....	.....
Shipbuilding, wooden, including boat building.....	1919	2,515	544	.....	1,175	233	380	183	.....	.....
	1914	461	(²)	(²)	14	13	190	60	175	.....
Shirts.....	1919	546	1	.....	40	362	143	.....	.....	.....
	1914	617	.....	.....	43	382	192	.....	.....	.....
Tinware, not elsewhere specified ^c	1919	380	.....	.....	3	78	208	.....	1	.....
Wood, turned and carved.....	1919	1,283	.....	.....	44	908	201	.....	40	.....
	1914	1,659	(²)	(²)	5	47	43	1,049	515	.....
Wooden goods, not elsewhere specified.....	1919	476	.....	.....	31	7	184	46	.....	208
	1914	290	.....	.....	1	136	125	37	37	.....
Woolen and worsted goods.....	1919	9,913	.....	.....	3,623	.....	6,287	3	.....	.....
	1914	7,998	.....	.....	.....	106	7,374	458	.....	.....
All other industries.....	1919	8,577	409	88	1,202	2,103	3,374	505	466	430
	1914	10,563	(²)	(²)	1,430	578	2,842	2,788	2,609	307
Total for cities ^d	1919	33,611	1,167	4,413	5,933	2,827	18,368	563	127	213
	1914	26,777	(²)	(²)	1,295	1,417	4,008	18,470	1,476	113
AUBURN.....	1910	5,850	22	.....	128	29	5,005	65	1	.....
	1914	4,811	(²)	(²)	39	4	222	4,480	61	5
AUGUSTA.....	1919	2,343	1	.....	1,179	165	779	211	.....	8
	1914	2,231	(²)	(²)	55	22	777	1,050	317	10
BANGOR.....	1919	1,153	24	36	314	240	443	21	47	28
	1914	1,200	(²)	(²)	165	185	400	242	128	20
BATH ^b	1919	5,312	530	4,317	222	76	156	.....	.....	2
	1914	5,054	(²)	(²)	60	71	48	4,028	243	4
LEWISTON.....	1919	6,666	25	.....	243	393	5,829	11	24	41
	1914	6,222	(²)	(²)	183	21	421	5,414	127	56
PORTLAND.....	1919	5,486	543	23	1,223	1,661	1,601	223	33	119
	1914	5,107	(²)	(²)	614	736	1,063	1,310	559	15
WATERVILLE.....	1919	2,432	.....	28	1,050	20	1,311	22	1	.....
	1914	2,062	(²)	(²)	179	378	115	1,346	41	3

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Includes "machine tools" and "textile machinery and parts."⁴ Not shown separately in 1914.⁵ Excludes Sanford, to avoid disclosure of individual operations.

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TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
	Establishments.	Wage earners (average number).	No wage earners.		1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries.....	2,905	88,651	330	1,583	3,288	527	5,684	253	8,178	127	9,310	118	18,702	28	9,898	13	8,776	16	24,815	
Automobile repairing.....	161	400	10	132	249	19	151	...	...	...	...	...	...	...	...	...	...	...	...	...
Boots and shoes, not including rubber boots and shoes.....	39	9,919	...	2	3	4	32	1	22	7	573	16	2,894	4	1,454	2	1,281	3	3,660	
Boxes, paper and other, not elsewhere specified.....	15	443	...	1	3	6	80	5	121	3	239	...	...	...	...	...	...	...	...	...
Boxes, wooden packing, except cigar boxes.....	29	918	1	5	8	8	113	9	285	4	299	2	213	...	...	...	...	...	...	...
Bread and other bakery products.....	180	809	19	139	309	17	158	3	98	1	77	1	167	...	...	...	...	...	...	...
Canning and preserving, fish.....	102	2,721	2	32	76	23	283	32	1,036	10	733	3	543	...	...	...	...	...	...	...
Canning and preserving, fruits and vegetables.....	97	1,048	...	37	137	44	448	16	463	...	...	...	...	...	...	...	...	...	...	...
Cars and general shop construction and repairs by steam-railroad companies.....	16	1,721	...	1	4	4	43	5	149	1	61	2	337	3	1,127	...	...	...	...	...
Confectionery and ice cream.....	87	313	9	66	131	0	93	3	89	1	52	3	597	6	4,137	4	7,047	...	...
Cotton goods.....	14	11,763	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Foundry and machine-shop products.....	73	2,171	11	81	71	15	180	8	245	4	308	1	188	3	1,179	...	...	...	...	...
Leather, tanned, curried, and finished.....	9	306	...	3	7	3	39	3	82	3	185	...	...	...	...	...	...	...	...	...
Lumber and timber products.....	627	9,794	9	352	774	174	1,991	54	1,741	20	1,404	15	2,800	3	1,084	...	...	...	...	...
Lumber, planing-mill products, not including planing mills connected with sawmills.....	56	780	8	30	66	8	95	6	210	2	114	2	286	...	...	...	...	...	...	...
Marble and stone work.....	130	1,041	29	76	142	16	167	2	79	4	281	3	372	...	...	...	...	...	...	...
Paper and wood pulp.....	39	13,058	36	43	90	11	96	7	194	8	617	10	1,671	0	2,004	4	2,852	4	5,763	
Printing and publishing, book and job.....	97	380	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Printing and publishing, newspapers and periodicals.....	69	1,154	5	35	107	17	136	4	136	6	386	2	389	...	...	...	...	...	...	...
Shipbuilding, steel.....	6	4,485	...	...	...	...	...	1	13	2	64	1	92	...	...	...	...	...	2	4,316
Shipbuilding, wooden, including boat building.....	76	2,515	14	31	45	6	81	8	281	8	656	7	933	2	519	...	...	...	...	...
Shirts.....	11	546	...	3	8	3	47	3	102	2	100	1	131	1	258	...	...	...	...	...
Textile machinery and parts.....	10	1,732	2	3	7	1	7	...	...	...	...	...	...	...	...	...	...	...	1	1,442
Tinware, not elsewhere specified.....	8	380	...	4	6	5	15	173	13	449	7	504	1	104	...	...	...	...	...	...
Wood, turned and carved.....	54	1,283	...	18	53	15	173	13	449	7	504	1	104	...	...	...	...	...	...	...
Wooden goods, not elsewhere specified.....	14	476	1	2	6	3	38	6	193	1	58	1	181	...	...	...	...	...	...	...
Woolen goods.....	59	6,915	1	4	8	5	52	4	144	14	1,194	27	3,977	3	1,034	1	508	2	2,587	
Worsted goods.....	7	2,998	...	...	...	1	20	...	...	...	...	...	...	...	...	...	...	...	...	...
All other industries.....	910	8,582	173	536	925	110	1,091	55	1,818	18	1,188	15	2,261	3	1,239	...	...	...	...	...
Total for cities ¹	777	33,011	60	413	902	142	1,449	68	2,261	38	2,778	27	4,350	9	3,406	5	3,554	0	14,791	
AUBURN.....	74	5,850	7	37	85	8	94	7	202	7	539	4	807	1	463	3	3,660	...	...	...
AUGUSTA.....	44	2,343	3	28	42	9	82	1	43	1	60	4	718	2	684	1	714	...	...	...
BANGOR.....	106	1,153	9	64	157	12	123	16	520	5	347	...	...	...	...	...	...	...	...	...
BATH.....	38	5,312	3	21	53	3	40	3	92	5	377	...	...	1	433	...	2	4,317	...	...
BIDDEFORD.....	49	4,409	7	28	60	7	66	2	68	1	97	2	245	...	...	...	...	...	2	3,993
LEWISTON.....	109	6,506	11	52	105	26	266	4	181	5	342	5	732	2	720	2	1,389	2	2,881	
PORTLAND.....	308	5,486	20	164	414	68	684	31	1,080	12	809	11	1,717	2	713	1	453	2	1,451	
WATERVILLE.....	49	2,432	6	24	46	9	94	4	110	2	147	1	131	1	453	2	1,451	...	...	...

¹ Excludes Sanford, to avoid disclosure of individual operations.

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.			
	1910	1914	1909	1919	1914	1909	1910	1914	1909	1910	1914	1909	
	All classes.....	2,905	3,378	3,546	88,651	82,149	79,955	\$456,821,783	\$200,450,118	\$176,020,393	\$202,253,260	\$82,795,200	\$78,928,169
Less than \$5,000.....	880	1,371	1,451	645	1,843	2,178	2,049,050	3,268,727	3,286,165	1,258,842	2,072,857	2,098,923	
\$5,000 to \$20,000.....	921	1,110	1,194	920	6,011	6,919	9,818,250	11,332,433	12,260,959	5,257,536	6,027,037	6,526,395	
\$20,000 to \$100,000.....	698	569	610	8,364	12,443	13,308	31,874,857	24,833,858	26,688,857	15,192,551	11,454,947	12,849,097	
\$100,000 to \$500,000.....	311	244	266	{ 16,399 }	31,880	32,998	{ 69,479,529 }	52,228,727	{ 76,542,507 }	{ 31,499,590 }	{ 25,650,628 }	{ 31,997,530 }	
\$500,000 to \$1,000,000.....	84	42	101	10,497	284,431,781	29,331,152	57,250,905	123,394,113	31,242,838	25,237,582
\$1,000,000 and over.....	101	33	25	49,826	29,906	24,552	62,3	39,6	32,5	61,0	37,7	32,0	...
PER CENT DISTRIBUTION.													
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Less than \$5,000.....	29.4	40.6	40.9	0.7	2.2	2.7	0.4	1.6	1.9	0.6	2.5	2.7	
\$5,000 to \$20,000.....	30.8	33.1	33.7	3.3	7.3	8.7	2.1	5.7	7.0	2.6	7.3	8.3	
\$20,000 to \$100,000.....	23.3	16.8	17.2	9.4	15.1	16.6	7.0	12.4	15.2	7.5	13.8	16.3	
\$100,000 to \$500,000.....	10.4	7.2	7.5	{ 18.6 }	38.8	41.3	{ 15.2 }	26.1	{ 43.5 }	{ 15.6 }	{ 38.6 }	{ 40.8 }	
\$500,000 to \$1,000,000.....	2.8	1.2	2.5	{ 11.8 }	36.5	30.7	{ 39.2 }	14.6	{ 32.5 }	{ 12.7 }	{ 37.7 }	{ 32.0 }	
\$1,000,000 and over.....	3.4	1.0	0.7	56.2	60.2	62.3	62.3	39.6	32.5	61.0	37.7	32.0	

MANUFACTURES—MAINE.

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.				
			Per cent distribution.				Per cent distribution.				Per cent distribution.				Per cent distribution.		
	1919	1914	1919	1914	1910	1914	1919	1914	1919	1914	1919	1914	1919	1914	1919	1914	
BOOTS AND SHOES, NOT INCLUDING RUBBER BOOTS AND SHOES.....	30	50	100.0	100.0	9,919	8,815	100.0	100.0	\$48,059,388	\$22,830,073	100.0	100.0	\$17,839,487	\$8,093,474	100.0	100.0	
Less than \$5,000.....	3	11	7.7	22.0	2	79	0.1	0.9	(1)	3,506	(1)	1,794	1,794	(1)	(1)	0.6	0.6
\$5,000 to \$20,000.....	2	3	11	7.7	2	13	0.1	0.9	232,891	119,808	0.1	0.5	2,13,341	51,558	0.1	0.6	
\$20,000 to \$100,000.....	3	10	7.7	20.0	44	294	0.4	3.3	170,893	607,366	0.4	2.7	79,097	225,085	0.4	2.8	
\$100,000 to \$500,000.....	11	14	28.2	28.0	1,054	3,2,838	10.6	32.2	3,758,075	3,625,288	7.8	15.9	1,399,110	3,2,670,054	7.8	33.0	
\$500,000 to \$1,000,000.....	6	5	15.4	10.0	960	.....	9.7	.....	4,591,080	3,929,403	9.6	17.2	1,714,939	.....	9.6	.....
\$1,000,000 and over.....	16	7	41.0	14.0	7,848	5,602	70.1	63.6	39,506,449	14,550,702	82.2	63.7	14,033,000	5,144,383	82.0	63.6	
BREAD AND OTHER BAKERY PRODUCTS.....	180	202	100.0	100.0	800	729	100.0	100.0	7,002,735	2,626,106	100.0	100.0	3,108,729	1,069,198	100.0	100.0	
Less than \$5,000.....	25	69	13.9	34.2	11	67	1.4	9.2	64,930	204,846	0.9	7.8	24,397	93,668	0.8	8.8	
\$5,000 to \$20,000.....	98	112	54.4	55.4	177	311	21.9	42.7	1,178,665	1,087,972	16.6	41.4	395,431	476,109	12.7	44.5	
\$20,000 to \$100,000.....	47	18	26.1	28.0	228	146	28.2	20.0	1,795,956	593,438	25.3	22.0	538,500	212,371	17.3	19.9	
\$100,000 to \$500,000.....	6	3	3.3	1.5	103	205	12.7	28.1	901,578	739,850	12.7	28.2	267,141	287,050	8.6	26.8	
\$500,000 and over.....	4	.....	2.2	.....	290	.....	35.8	.....	3,151,600	.....	44.4	.....	1,883,260	.....	60.6	.....
CANNING AND PRESERVING, FISH.....	102	95	100.0	100.0	2,721	2,766	100.0	100.0	16,980,400	7,656,425	100.0	100.0	4,954,201	2,330,016	100.0	100.0	
Less than \$5,000.....	12	19	11.8	20.0	18	44	0.7	1.6	33,965	39,084	0.2	0.5	18,876	17,913	0.4	0.8	
\$5,000 to \$20,000.....	21	29	20.6	30.5	72	223	2.6	8.1	234,122	358,630	1.4	4.7	113,658	138,761	2.3	5.9	
\$20,000 to \$100,000.....	20	22	25.5	23.2	399	539	14.7	19.5	1,246,142	1,163,517	7.3	15.2	470,780	375,773	9.5	16.1	
\$100,000 to \$500,000.....	33	21	32.4	22.1	1,238	3,1,960	45.5	70.0	7,399,047	8,700,130	43.6	48.3	2,507,937	3,1,804,460	50.6	77.2	
\$500,000 to \$1,000,000.....	7	4	6.9	4.2	451	.....	16.6	.....	4,146,333	2,395,084	24.4	31.3	940,120	.....	19.0	.....
\$1,000,000 and over.....	3	.....	2.9	.....	543	.....	20.0	.....	3,920,741	.....	23.1	.....	902,821	.....	18.2	.....
CANNING AND PRESERVING, FRUITS AND VEGETABLES.....	97	76	100.0	100.0	1,048	1,017	100.0	100.0	7,301,237	2,825,252	100.0	100.0	2,540,221	918,700	100.0	100.0	
Less than \$5,000.....	5	9	5.2	11.8	5	27	0.5	2.7	13,574	23,034	0.2	0.8	9,101	7,112	0.4	0.8	
\$5,000 to \$20,000.....	6	25	6.2	32.9	26	141	2.5	13.9	82,745	299,538	1.1	10.6	30,103	90,540	1.4	0.9	
\$20,000 to \$100,000.....	67	35	69.1	46.1	533	406	50.9	39.9	3,540,183	1,131,280	48.5	40.0	1,093,618	368,174	43.1	40.1	
\$100,000 to \$500,000.....	19	8	19.6	9.2	484	3,443	46.2	43.0	3,664,735	3,1,371,400	50.2	48.5	1,401,390	452,874	55.2	49.3	
FLOUR-MILL AND GRISTMILL PRODUCTS.....	118	148	100.0	100.0	144	217	100.0	100.0	5,442,728	4,425,824	100.0	100.0	733,556	406,044	100.0	100.0	
Less than \$5,000.....	8	8	6.8	10.8	1	6	0.7	2.8	24,330	46,013	0.4	1.1	3,077	5,848	0.4	1.3	
\$5,000 to \$20,000.....	43	80	36.4	54.1	22	76	15.3	35.0	576,695	857,371	10.6	19.4	89,225	114,120	12.2	24.5	
\$20,000 to \$100,000.....	55	45	46.6	30.4	78	109	54.2	50.2	2,439,960	2,0,0,0,031	44.8	46.0	367,033	227,306	50.0	48.7	
\$100,000 to \$500,000.....	12	7	10.2	4.7	43	26	29.9	12.0	2,401,734	1,400,909	44.1	33.0	274,221	119,310	37.4	25.6	
FOUNDRY AND MACHINE-SHOP PRODUCTS.....	86	91	100.0	100.0	8,908	2,405	100.0	100.0	15,885,904	4,091,360	100.0	100.0	9,412,441	2,408,470	100.0	100.0	
Less than \$5,000.....	28	38	32.6	41.8	22	45	0.6	1.9	71,939	80,798	0.5	1.7	45,671	58,000	0.5	2.3	
\$5,000 to \$20,000.....	20	27	23.3	29.7	56	128	1.4	5.3	182,136	280,672	1.1	5.3	113,478	177,049	1.2	7.1	
\$20,000 to \$100,000.....	22	17	25.6	18.7	291	641	7.4	14.2	1,034,896	583,812	6.5	12.4	608,309	335,002	6.5	13.4	
\$100,000 to \$500,000.....	10	6	11.6	6.6	614	6,1,891	15.7	78.6	2,283,234	1,098,516	14.4	23.4	1,300,208	1,026,310	14.5	77.1	
\$500,000 and over.....	6	3	7.0	3.3	2,925	.....	74.8	.....	12,313,789	2,677,571	77.5	57.1	7,284,775	.....	77.4	.....
LUMBER AND TIMBER PRODUCTS.....	627	842	100.0	100.0	9,794	13,448	100.0	100.0	28,515,271	22,397,805	100.0	100.0	18,045,815	12,233,214	100.0	100.0	
Less than \$5,000.....	179	307	28.5	43.6	195	752	2.0	5.6	422,903	901,200	1.5	4.0	296,355	627,379	1.6	5.1	
\$5,000 to \$20,000.....	215	289	34.3	34.3	950	2,209	9.7	10.4	2,202,001	3,007,904	8.0	13.4	1,477,942	1,979,356	8.2	16.2	
\$20,000 to \$100,000.....	173	140	27.6	16.6	2,833	4,280	28.9	31.8	7,595,746	5,876,330	26.6	26.2	5,031,102	3,565,378	27.0	29.1	
\$100,000 to \$500,000.....	51	41	8.1	4.9	3,578	6,207	36.5	46.2	11,058,778	8,151,234	38.8	36.4	6,400,631	6,061,101	35.5	49.5	
\$500,000 and over.....	9	5	1.4	0.6	2,238	.....	22.9	.....	7,140,843	4,461,101	25.1	19.9	4,839,885	.....	20.8	.....
PAPER AND WOOD PULP.....	39	88	100.0	100.0	13,058	10,033	100.0	100.0	93,916,628	40,179,744	100.0	100.0	39,246,040	14,721,777	100.0	100.0	
\$20,000 to \$100,000.....	6	7	15.4	18.4	109	6,132	0.8	1.3	381,074	6,288,817	0.4	0.7	148,835	6,122,593	0.4	0.8	
\$100,000 to \$500,000.....	6	12	15.4	31.6	394	8,136	3.0	31.3	1,797,002	3,046,923	1.9	7.6	770,564	8,370,590	2.0	25.1	
\$500,000 to \$1,000,000.....	6	11	15.4	28.9	634	6,765	4.9	67.4	4,714,450	8,052,936	5.0	20.0	1,492,802	10,897,594	3.8	74.0	
\$1,000,000 and over.....	21	8	53.8	21.1	11,921	6,765	91.3	67.4	87,023,202	28,791,068	92.7	71.7	36,833,839	10,897,594	0.9	74.0	
SHIPBUILDING, WOODEN, INCLUDING BOAT BUILDING.....	76	105	100.0	100.0	2,515	461	100.0	100.0	10,678,547	1,102,866	100.0	100.0	5,758,910	546,759	100.0	100.0	
Less than \$5,000.....	33	76	43.4	72.4	15	50	0.6	10.8	77,662	131,021	0.7	11.0	47,253	86,413	0.8	15.8	
\$5,000 to \$20,000.....	11	20	14.5	19.0	25	125	1.0	27.1	91,217	205,983	0.9	17.8	61,183	123,732	1.1	23.5	
\$20,000 to \$100,000.....	7	7	9.2	8.6	104	7,286	4.1	62.0	206,238	7,855,802	2.8	71.7	145,507	7,331,594	2.5	60.6	
\$100,000 to \$500,000.....	19	.....	25.0	.....	1,359	.....	54.0	.....	5,301,078	.....	49.6	.....	3,006,013	.....	52.2	.....
\$500,000 and over.....	6	7	7.0	.....	1,012	40.2	.....	.....	4,912,352	.....	46.0	.....	2,498,903	.....	43.4	.....
WOOLEN AND WORSTED GOODS.....	66	57	100.0	100.0	9,913	7,993	100.0	100.0	60,327,260	17,531,470	100.0	100.0	24,100,502	6,708,354	100.0	100.0	
Less than \$20,000.....	6	5	9.1	8.8	20	32	0.2	0.4	44,123	40,046	0.1	0.2	25,951	16,781	0.1	0.8	
\$20,000 to \$100,000.....	7	6	10.6	10.5	115	319	1.2	4.0	323,720	398,656	0.5	2.8	127,800	99,470	0.5	1.6	
\$100,000 to \$500,000.....	9	40	13.6	70.2	658	6,747	6.6	95.6	2,663,256	9,188,600	4.4	52.4	1,124,031	6,592,094	4.7	98.3	
\$500,000 to \$1,000,000.....	26	8	39.4	10.5	3,052	.....	30.8	.....	18,705,849	8,704,108	31.1	45.1	6,884,370	.....	28.6	.....
\$1,000,000 and over.....	18	27.3	27.3	.....	6,068	.....	61.2	.....	38,530,312	.....	63.9	.....	15,937,684	.....	66.	

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT. ¹	Number of estab-lishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT. ¹	Number of estab-lishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
AUBURN.....	74	5,850	100.0	\$27,852,043	100.0	\$12,245,235	100.0	BIDDEFORD.....	49	4,469	100.0	\$20,634,401	100.0	\$9,582,501	100.0
Less than \$5,000.....	17	10	0.2	58,829	0.2	36,318	0.3	Less than \$5,000.....	14	8	0.2	37,345	0.2	22,290	0.2
\$5,000 to \$20,000.....	16	50	0.9	209,276	0.8	118,449	1.0	\$5,000 to \$20,000.....	15	36	0.8	175,840	0.9	75,877	0.8
\$20,000 to \$100,000.....	20	194	3.3	1,065,528	3.8	466,041	3.8	\$20,000 to \$100,000.....	12	69	1.5	427,531	2.1	191,826	2.0
\$100,000 to \$500,000 ²	12	605	10.3	3,291,883	11.8	1,351,220	11.0	\$100,000 and over.....	8	4,356	97.5	10,993,685	96.9	9,292,508	97.0
\$1,000,000 and over.....	9	4,901	85.3	23,226,527	83.4	10,273,207	83.9	Lewiston.....	109	6,566	100.0	29,763,3S7	100.0	13,116,737	100.0
AUGUSTA.....	44	2,343	100.0	11,980,239	100.0	5,352,981	100.0	Less than \$5,000.....	22	16	0.2	51,807	0.2	22,081	0.2
Less than \$5,000.....	10	7	0.3	21,777	0.2	12,944	0.2	\$5,000 to \$20,000.....	35	88	1.3	413,730	1.4	237,893	1.8
\$5,000 to \$20,000.....	19	62	2.6	238,989	2.0	113,163	2.1	\$20,000 to \$100,000.....	30	308	4.7	1,344,401	4.5	574,291	4.4
\$20,000 to \$100,000.....	6	56	2.4	233,100	1.9	116,262	2.2	\$100,000 to \$500,000.....	11	517	7.9	2,569,162	8.6	1,056,316	8.1
\$100,000 to \$500,000 ²	4	429	18.3	1,502,060	12.5	773,217	14.4	\$500,000 to \$1,000,000.....	4	487	7.4	2,612,197	8.8	889,730	6.8
\$1,000,000 and over.....	5	1,789	76.4	9,984,277	83.3	4,337,395	81.0	\$1,000,000 and over.....	7	5,150	78.4	22,772,191	76.5	10,336,421	78.8
BANGOR.....	106	1,153	100.0	5,544,940	100.0	2,268,479	100.0	PORTLAND.....	303	5,480	100.0	29,167,965	100.0	13,577,522	100.0
Less than \$5,000.....	20	16	1.4	43,860	0.8	23,961	1.1	Less than \$5,000.....	57	51	0.9	137,306	0.5	91,911	0.7
\$5,000 to \$20,000.....	45	130	11.3	480,458	8.7	244,389	10.8	\$5,000 to \$20,000.....	109	354	6.5	1,189,043	4.1	628,003	4.6
\$20,000 to \$100,000.....	24	289	25.1	1,225,337	22.1	501,570	26.2	\$20,000 to \$100,000.....	85	827	15.9	3,508,373	12.0	1,753,832	13.1
\$100,000 to \$500,000 ²	17	718	62.3	3,705,276	68.4	1,398,559	61.9	\$100,000 to \$500,000.....	40	1,707	31.1	8,703,418	30.0	3,718,323	27.4
BATH.....	38	5,312	100.0	19,377,323	100.0	12,238,086	100.0	\$500,000 to \$1,000,000.....	12	1,305	23.8	8,672,744	29.7	4,072,395	30.0
Less than \$5,000.....	8	4	0.1	19,885	0.1	8,055	0.1	\$1,000,000 and over.....	5	1,197	21.8	8,897,076	23.6	3,283,058	24.2
\$5,000 to \$20,000.....	9	21	0.4	105,946	0.5	53,563	0.4	WATERVILLE.....	49	2,432	100.0	9,066,528	100.0	4,521,593	100.0
\$20,000 to \$100,000.....	10	71	1.3	486,374	2.5	217,338	1.8	Less than \$5,000.....	16	11	0.5	40,718	0.5	28,712	0.6
\$100,000 to \$500,000 ²	8	466	8.8	2,916,628	15.1	1,383,642	11.3	\$5,000 to \$20,000.....	9	21	0.9	80,541	0.9	40,646	0.9
\$1,000,000 and over.....	3	4,750	89.4	15,849,490	81.8	10,574,888	86.4	\$20,000 to \$100,000.....	16	220	9.0	681,132	6.8	272,604	6.0
								\$100,000 to \$500,000.....	4	248	10.2	912,917	9.2	387,545	8.6
								\$1,000,000 and over.....	4	1,032	79.4	8,239,220	82.7	3,792,057	83.9

¹ Excludes Sanford, to avoid disclosure of individual operations.

² Includes the group "\$500,000 to \$1,000,000."

TABLE 14.—CHARACTER OF OWNERSHIP FOR SELECTED INDUSTRIES AND FOR CITIES 1919 AND 1914.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—	AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.									
			Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.			Total.	Individ- uals.	Cor- pora- tions.	All oth- ers.	
				Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	
				Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	
All industries.	1910	1,550	804	551	88,051	6,215	78,642	3,794	7.0	88.7	4.3	\$456,821,783	\$29,278,873	\$410,003,137	\$17,539,773	6.4	89.8	3.8			
	1914	1,894	829	655	82,149	8,521	60,638	6,990	10.4	81.1	8.5	200,450,118	19,292,277	165,119,855	16,037,986	9.6	82.4	8.0			
	1909	1,023	801	762	79,955	9,579	61,340	9,036	12.0	76.7	11.3	176,020,303	18,904,830	130,156,275	20,098,270	10.7	77.3	11.9			
Boots and shoes, not including rubber boots and shoes.	1910	8	33	3	9,919	-----	9,354	1,565	-----	94.3	5.6	48,059,388	-----	45,311,430	12,747,952	-----	94.3	5.7			
	1914	6	39	6	8,815	30	8,257	522	0.4	93.7	5.9	22,830,073	143,350	20,912,085	1,780,632	0.6	91.6	7.8			
Bread and other bakery products.	1919	134	9	37	809	500	212	88	62.9	26.2	10.9	7,092,735	4,585,628	1,832,448	674,659	61.7	25.8	9.5			
	1914	102	7	33	720	401	229	99	55.0	31.4	13.6	2,026,106	1,441,756	822,103	362,247	54.9	31.8	13.8			
Canning and pre- serving, fish.	1910	29	57	16	2,721	251	2,304	166	9.2	84.7	6.1	18,980,400	1,727,404	14,446,988	806,008	10.2	85.1	4.7			
	1914	34	42	19	2,766	283	2,304	170	10.2	83.3	6.5	7,056,425	630,085	6,640,716	388,644	8.2	86.7	5.0			
Canning and pre- serving, fruits and vegetables.	1910	15	56	26	1,048	98	736	214	9.4	70.2	20.4	7,301,237	667,817	5,185,791	1,447,629	9.1	71.0	19.8			
	1914	20	23	33	1,017	117	653	247	11.5	64.2	24.3	2,825,252	323,070	1,802,750	699,432	11.4	63.8	24.3			
Cotton goods.....	1919	14	-----	11,703	-----	11,763	-----	-----	100.0	-----	-----	56,563,825	-----	56,563,825	-----	-----	100.0	-----			
	1914	15	-----	13,834	-----	13,834	-----	-----	100.0	-----	-----	22,121,711	22,121,711	22,121,711	22,121,711	-----	100.0	-----			
Flour-mill and grist- mill products.	1919	52	33	33	144	50	69	25	34.7	47.9	17.4	5,442,728	1,650,232	2,751,484	1,041,012	30.3	50.6	19.1			
	1914	73	26	40	217	88	71	58	40.6	32.7	26.7	4,425,824	1,273,686	2,233,390	918,748	28.8	50.5	20.8			
Foundry and ma- chine-shop prod- ucts. ²	1919	44	27	15	3,908	175	3,046	87	4.5	93.3	2.2	15,885,904	663,135	14,965,906	256,053	4.2	94.2	1.6			
	1914	49	30	12	2,405	103	2,197	45	6.8	91.4	1.9	4,691,309	273,849	4,319,284	98,236	5.8	92.1	2.1			
Lumber and timber products.	1919	372	104	151	9,794	2,315	6,097	1,382	23.6	62.3	14.1	28,515,271	6,223,857	18,304,314	3,982,100	21.8	64.2	14.0			
	1914	530	93	219	13,448	4,081	6,595	2,772	30.3	49.0	20.6	22,397,865	5,806,627	13,022,184	3,569,064	25.9	58.1	15.9			
Paper and wood pulp.	1919	1	35	3	13,053	-----	12,845	1,213	-----	98.4	1.6	93,916,628	-----	92,703,098	1,121,530	-----	98.7	1.3			
	1914	1	32	5	10,033	-----	8,680	11,353	-----	86.5	13.5	40,179,744	-----	35,734,835	1,445,409	-----	88.9	11.1			
Shipbuilding, wooden, including boatbuilding.	1919	37	27	12	2,515	180	2,306	20	7.2	91.7	1.2	10,678,547	730,378	9,814,563	133,606	6.8	91.9	1.3			
	1914	75	11	19	461	95	232	134	20.6	50.3	29.1	1,192,866	190,833	717,544	284,489	16.0	60.2	23.8			
Woolen and worsted goods.	1919	8	57	1	9,913	326	9,677	237	2.4	97.6	3.0	60,327,260	2,861,274	59,465,986	-----	1.4	98.6	-----			
	1914	3	50	4	7,998	13	7,748	237	0.2	96.9	3.0	25,075	18,994,707	511,628	0.1	96.9	2.9				

¹ Includes the group "Individuals."

² Includes "machine tools" and "textile machinery and parts."

- Includes the group "All students"

MANUFACTURES—MAINE.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Cen-sus year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.							
					In establishments owned by—			Per cent of total.						Of establishments owned by—				
		Indi-viduals.	Cor-pora-tions.	All oth-ers.	Total.	Indi-viduals.	Cor-pora-tions.	All oth-ers.	Indi-viduals.	Cor-pora-tions.	All oth-ers.	Total.	Individ-uals.	Corpora-tions.	All oth-ers.	Indi-viduals.	Cor-pora-tions.	All oth-ers.
Total for cities ¹	1919	360	306	111	33,611	1,457	31,723	431	4.3	94.4	1.3	\$154,286,826	\$9,859,802	\$141,924,335	\$2,502,689	6.4	92.0	1.6
	1914	370	271	108	26,777	1,270	24,651	856	4.7	92.1	3.2	61,187,024	4,434,804	57,004,268	2,057,952	7.2	88.4	4.3
AUBURN	1919	29	30	15	5,850	129	5,653	68	2.2	96.6	1.2	27,852,043	1,607,808	25,889,254	354,021	5.8	93.0	1.3
	1914	44	30	10	4,811	132	4,450	229	2.7	92.5	4.8	13,839,604	1,008,421	11,783,206	1,047,977	7.3	85.1	7.6
AUGUSTA	1919	20	12	12	2,343	40	2,241	62	1.7	95.6	2.6	11,980,239	169,371	11,592,696	218,172	1.4	96.8	1.8
	1914	15	17	7	2,231	48	2,156	27	2.2	96.6	1.2	4,917,954	95,598	4,728,225	94,131	1.9	96.1	1.9
BANGOR	1919	47	41	18	1,153	159	940	54	13.8	81.5	4.7	5,544,940	622,802	4,507,394	324,654	11.2	82.9	5.9
	1914	62	41	19	1,200	245	872	83	20.4	72.7	6.0	3,557,390	774,648	2,520,980	261,702	21.8	70.0	7.4
BATH	1919	16	15	7	5,312	69	5,189	54	1.3	97.7	1.0	19,377,323	440,390	18,348,138	588,795	2.3	94.7	3.0
BIDDEFORD	1919	30	13	6	4,489	83	4,372	14	1.9	97.8	0.3	20,634,401	495,010	20,036,148	103,243	2.4	97.1	0.5
	1914	40	10	15	5,054	129	4,894	41	2.6	96.6	0.8	9,530,381	261,931	9,163,940	110,510	2.7	96.1	1.2
LEWISTON	1919	60	34	15	6,566	404	6,121	41	0.2	93.2	0.6	29,763,387	1,921,111	27,613,293	228,983	6.5	92.8	0.8
	1914	58	24	16	6,222	221	5,733	268	3.6	92.1	4.3	10,619,045	496,186	9,577,511	545,348	4.7	90.2	5.1
PORTLAND	1919	130	144	34	5,486	480	4,874	132	8.7	88.8	2.4	29,167,965	4,130,870	24,386,989	650,097	14.2	83.6	2.2
	1914	127	132	37	5,197	415	4,581	201	8.0	88.1	3.9	14,704,379	1,500,201	12,623,292	581,386	10.2	85.8	4.0
WATERVILLE	1919	28	17	4	2,432	93	2,333	6	3.8	95.9	0.2	9,966,528	472,281	9,400,423	33,924	4.7	94.0	0.8
	1914	24	17	4	2,082	80	1,975	7	3.9	95.8	0.3	4,011,771	297,810	3,697,114	16,838	7.4	92.2	0.4

¹ Excludes Sanford, to avoid disclosure of individual operations.

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Cen-sus year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.						THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER. ¹		
			Total.		10,000 to 25,000.		25,000 to 100,000.				
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.
Number of places.....	1919	.....	8	.....	5	.....	3	.....	.....	.....	.....
	1914	.....	7	.....	4	.....	3	.....	.....	.....	.....
	1909	.....	7	.....	5	.....	2	.....	.....	.....	.....
Population ²	1920	708,014	204,230	26.6	77,189	10.1	127,041	16.5	563,784	73.4	
	1915	762,787	175,127	23.0	59,600	7.8	115,527	15.1	587,600	77.0	
	1910	742,371	166,433	22.4	81,615	11.0	84,818	11.4	576,938	77.6	
Number of establishments.....	1919	2,995	777	25.9	254	8.5	523	17.5	2,218	74.1	
	1914	3,378	749	22.2	233	6.9	516	15.3	2,620	77.8	
	1909	3,546	675	19.0	321	9.1	354	10.0	2,871	81.0	
Average number of wage earners.....	1919	88,651	33,611	37.9	20,406	23.0	13,205	14.9	55,040	62.1	
	1914	82,149	26,777	32.6	14,158	17.2	12,619	15.4	55,372	67.4	
	1909	79,955	25,632	32.1	13,042	17.4	11,690	14.6	53,323	67.9	
Value of products.....	1919	\$456,821,783	\$154,286,826	33.8	\$59,810,534	10.7	\$64,476,202	14.1	\$302,534,957	66.2	
	1914	200,450,118	61,187,024	30.5	32,305,710	16.1	28,881,314	14.4	130,263,094	69.5	
	1909	176,029,393	51,466,847	29.2	29,041,106	16.5	22,425,741	12.7	124,562,546	70.8	
Value added by manufacture.....	1919	202,253,260	72,893,134	36.0	43,940,306	21.7	28,052,738	14.3	129,300,126	64.0	
	1914	82,795,209	25,748,617	31.1	12,866,847	15.5	12,581,770	15.6	57,046,502	68.9	
	1909	78,928,169	23,393,234	29.6	12,251,413	15.5	11,141,821	14.1	55,534,935	70.4	

¹ Includes Sanford, to avoid disclosure of individual operations.² Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

MANUFACTURES—MAINE.

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TABLE 16.—PRINCIPAL INDUSTRIES IN PORTLAND (THE ONLY CITY IN THE STATE HAVING 50,000 INHABITANTS OR MORE), WITH PER CENT OF TOTAL FOR STATE: 1919.

INDUSTRY.	VALUE OF PRODUCTS.				INDUSTRY.	VALUE OF PRODUCTS.				
	Amount, 1919.	Per cent of total for the state.	Increase over 1914.			Amount, 1919.	Per cent of total for the state.	Increase over 1914.		
			Amount.	Per cent.				Amount.	Per cent.	
Foundry and machine-shop products.....	\$4,195,381	43.1	\$2,854,020	212.8	Boots and shoes, not including rubber boots and shoes.....					
Canning and preserving, fish.....	2,047,731	12.1	(1)		Boxes, wooden packing, except cigar boxes.....					
Bread and other bakery products.....	1,825,359	25.7	1,210,121	106.7	Canning and preserving, vegetables.....					
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1,095,461	32.9	299,332	37.6	Cars and general shop construction and repairs by steam-railroad companies.....					
Confectionery and ice cream.....	1,020,082	50.5	333,870	48.2	Chewing gum.....					
Printing and publishing, newspapers and periodicals.....	746,533	16.4	292,602	64.5	Furniture.....					
Printing and publishing, book and job.....	681,484	57.1	263,055	62.9	Gas, illuminating and heating.....					
Flavoring extracts.....	581,916	99.3	(1)		Grease and tallow, soap stock.....					
Flour-mill and gristmill products.....	521,002	9.6	92,373	21.6	Leather, tanned, curried, and finished.....					
					Perfumery and cosmetics.....					
					Shipbuilding, wooden, including boat building.....					
					Tinware, not elsewhere specified.....					

¹ Figures can not be shown without disclosing individual operations.

TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	10,010	7,447	5,634	547,028	487,211	459,599	100.0	100.0	100.0
Owned.....									
Steam.....	2,997	3,707	4,070	452,864	439,688	431,099	82.8	90.2	93.8
Engines.....	1,493	1,898	1,886	173,855	176,792	168,774	31.8	36.3	36.7
Turbines.....	1,424	(2)	(2)	141,437	(2)	(2)	25.9		
Internal-combustion engines.....	69	(2)	(2)	32,418	(2)	(2)	5.9		
Water.....	400	440	370	4,481	4,582	3,933	0.8	0.9	0.9
Water wheels and turbines.....	1,104	1,429	1,814	274,528	258,314	258,392	50.2	53.0	56.2
Water motors.....	1,084	1,393	1,736	274,198	256,876	256,430	50.1	52.7	55.8
Other.....	20	36	28	333	1,438	1,912	0.1	0.3	0.4
Rented.....	7,048	8,080	1,564	94,104	47,523	28,500	17.2	9.8	6.2
Electric.....	7,043	8,080	1,564	92,749	46,344	27,203	17.0	9.5	5.9
Other.....				1,415	1,170	1,297	0.3	0.2	0.2
Electric.....	10,349	5,599	2,395	104,706	107,700	54,266	100.0	100.0	100.0
Rented.....	7,043	3,080	1,564	92,749	46,344	27,203	50.3	43.0	50.1
Generated by establishments reporting.....	3,306	1,919	831	72,047	61,356	27,063	43.7	57.0	49.9

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.² Not reported separately.

MANUFACTURES—MAINE.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1919. 43,234	1,257,023	21,972	568,004	7,473	45,503
1914. 79,024	1,014,213	9,034	31,376	(1)	9,407	
Per cent of increase ² . -45.3	24.0	143.2	1,734.1		370.4	
Boots and shoes, not including rubber boots and shoes.....	1,350	10,922	380	11	9	175
Bread and other bakery products.....	3,496	1,137	1,485	152	135	5,422
Brick, sewer pipe, and drain tile.....	20	5,516			90	.....
Canning and preserving, fish.....	1,148	21,304	1	2,897	3,557	.....
Cars and general shop construction and repairs by steam-railroad companies.....	146	17,598		253		.....
Cotton goods.....	429	66,978				350
Dyeing and finishing textiles, exclusive of that done in textile mills.....		12,706				
Foundry and machine-shop products.....	1,342	4,599	4,718	4,546	386	6,088
Gas, illuminating and heating.....	3,891	48,341	11,628	15,142		.....
Glucose and starch.....	273	5,836			7	.....
Iron and steel, steel works and rolling mills.....		15,122		90		.....
Lime.....		31,087				
Marble and stone work.....	179	0,208	18	12	102	.....
Paper and wood pulp.....	8,779	703,348		492,599		.....
Pulp goods.....	1	102,258	22			.....
Shipbuilding, steel.....	33	7,550	16	20,063		193
Woolen goods.....	6,066	63,912			28	.....
Worsted goods.....	1,970	26,035		18,533	281	.....
All other industries.....	14,111	43,407	3,704	7,543	2,788	33,275
Total for cities ³	16,323	270,384	19,000	46,586	418	33,948
AUBURN.....	733	8,194	283	5	83	605
AUGUSTA.....	1,951	10,720		4,295	10	1,195
BANGOR.....	1,212	9,579	835	1,104	2	1,378
BATH.....	1,802	8,173	1,250	25,674	2	193
BIDDEFORD.....	2,441	26,740	2,042	1,498	31	588
LEWISTON.....	4,101	34,129	606	9,653	20	19,947
PORTLAND.....	3,761	61,882	13,397	4,050	165	9,436
WATERVILLE.....	322	110,967	587	208	96	606

¹ Included in figures for fuel oils.² A minus sign (—) denotes decrease.³ Excludes Sanford, to avoid disclosure of individual operations.

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for seven of these industries in Maine are here presented.

The textile industry is represented in Maine chiefly through the cotton-goods and the woolen and worsted goods industries, although considerable value of products was reported in 1919 by the cordage and twine, felt-goods, fur-felt hats, oilcloth, silk, wool-shoddy, wool-pulling, and dyeing and finishing establishments.

In 1919 the combined value of the manufactured products of the above subdivisions of the textile industry constituted 27 per cent of the total value of the production of all industries in the state and furnished employment to 22,843 of the 88,651 wage earners reported by the manufacturing establishments in Maine.

In 1914 the cotton-goods industry held fourth rank in Maine in the value of manufactured products, and woolen and worsted goods, fifth. The 1919 census reports reversed this order of relative importance and assigned second place to the woolen-goods and worsted-goods industries combined, and third place to the cotton-goods industry.

Cotton goods (Table 19).—The manufacture of cotton goods is one of the most important industries in Maine, representing in 1919, 12.4 per cent and in 1914, 11 per cent of the total value of products, and

furnishing employment to 13.3 and 16.8 per cent, respectively, of the total number of wage earners for all manufacturing industries in the state.

The cost of materials used in the cotton-goods industry shows an increase of 125.8 per cent in 1919 over that of 1914 and the value of products an increase of 155.7 per cent.

Raw cotton was the principal material used and comprised 84 per cent of the total cost of materials in 1919, as compared with 81.5 per cent in 1914, although the quantity was 8,126,127 pounds, or 9.5 per cent less in 1919 than that reported at the previous census.

The production of woven goods, in 1919, represented 87.1 per cent of the total value of products and, parallel with the decrease in quantity of raw cotton used, the production of woven goods, exclusive of bags and bagging, was 30,494,093 square yards, or 13.1 per cent, less in 1919 than in 1914.

Unbleached and bleached sheetings and muslins for many years have been the principal woven fabrics, representing 30.1 per cent of the total value of these fabrics in 1919. Measured in quantity of square yards, this group shows a constant decrease during the last 10 years, while twills and sateens show a steady increase in the number of square yards produced.

The yarns manufactured for sale in 1919 show an increase of 56.4 per cent in quantity over 1914.

TABLE 19.—COTTON GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$29,424,375	\$13,032,969	\$11,390,479
Cotton:			
Pounds.....	77,728,700	85,854,827	78,678,643
Cost.....	\$24,718,668	\$10,628,358	\$9,440,063
Cotton yarn, purchased:			
Pounds.....	238,751	1,225,331	1,266,512
Cost.....	\$140,301	\$126,262	\$305,638
Cotton waste, purchased:			
Pounds.....	3,489,561	5,004,702	4,218,459
Cost.....	\$648,926	\$455,747	\$304,700
Starch, cost.....	\$231,462	\$154,866	\$83,783
Chemicals and dyestuffs, cost.....	\$424,885	\$169,268	\$178,938
Fuel and rent of power, cost.....	\$732,905	\$431,415	\$341,762
All other materials, cost.....	\$2,527,138	\$867,058	\$725,595
PRODUCTS.			
Total value.....	\$50,563,825	\$22,121,711	\$21,932,225

¹ Figures not available.

Woolen and worsted goods (Table 20).—Materials purchased for the production of woolen and worsted goods show a tendency toward increase in use of wool, cotton, shoddy, and waste. In 1919 the foreign wool, 41 per cent of the total quantity of wool purchased, showed an increase of 110.9 per cent over that purchased in 1914 and the domestic wool a decrease of eight-tenths of 1 per cent; for the same period there was an increase in quantity of cotton purchased of 8 per cent, shoddy 87.3 per cent, and waste 11.3 per cent.

The value of the products of the woolen and worsted goods industry represented 13.2 per cent in 1919 and 8.7 per cent in 1914 of the total value of manufactured products reported for the state.

Woven goods contributed, in 1919, 84.1 per cent to the value of products of this industry for the state, as compared with 82.7 per cent in 1914, there being an increase of 23.6 per cent in the number of square yards produced and an increase of 249.8 per cent in value.

The production of all-wool woolen suitings, dress goods, overcoatings, and cloakings predominated in this industry in 1919; the number of square yards

reported was 43 per cent of the total number of square yards of woven goods, and the value was 60 per cent of the total value of the same.

During the period 1914–1919 an increase of 384 per cent was shown in the number of square yards reported as wool and cotton mixed and a decrease of 31.1 per cent in that reported as cotton-warp woven goods.

There was an increase over 1914 of 356.4 per cent in the number of pounds of woolen yarn produced for sale, and the same period showed an increase in the amount received for contract work on materials furnished by others.

TABLE 20.—WOOLEN AND WORSTED GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$36,226,758	\$10,823,116	\$11,120,488
Wool:			
Foreign (in condition purchased)—			
Pounds.....	4,661,739	2,210,081	3,539,557
Cost.....	\$4,172,971	\$331,002	\$1,278,255
Domestic (in condition purchased)—			
Pounds.....	6,099,166	6,752,024	9,575,975
Cost.....	\$7,187,872	\$2,518,091	\$3,585,232
Equivalent in scoured condition—			
Pounds.....	9,932,991	7,251,670	10,221,289
Cotton:			
Pounds.....	3,167,234	2,938,786	1,972,781
Cost.....	\$1,130,289	\$397,756	\$251,423
Animal hair:			
Pounds.....	2,273,969	3,800,538	2,657,327
Cost.....	\$1,362,135	\$694,714	\$562,814
Rags, clippings, etc.:			
Pounds.....	1,561,879	2,418,825	1,019,778
Cost.....	\$388,739	\$338,470	\$73,465
Recovered wool fiber (wool shoddy):			
Pounds.....	8,290,918	4,430,934	4,094,292
Cost.....	\$3,364,976	\$671,242	\$484,770
Waste and nolls of wool, mohair, camel hair, etc.:			
Pounds.....	5,080,041	4,564,425	2,380,110
Cost.....	\$3,155,431	\$893,273	\$716,536
Yarns, purchased:			
Woolen and worsted—			
Pounds.....	112,753	176,581	947,343
Cost.....	\$298,186	\$126,919	\$768,778
Cotton—			
Pounds.....	2,760,882	3,443,361	2,449,258
Cost.....	\$2,234,248	\$1,113,711	\$813,080
All other—			
Pounds.....	211,836	11,831	28,002
Cost.....	\$374,454	\$25,705	\$28,658
Chemicals and dyestuffs, cost.....	\$1,462,351	\$515,751	\$599,175
Fuel and rent of power, cost.....	\$1,044,894	493,023	\$393,952
All other materials, cost.....	\$10,050,212	\$2,103,459	\$1,504,348
PRODUCTS.			
Total value.....	\$60,327,260	\$17,531,470	\$18,001,890
All-wool woven goods:			
Woolen suitings, dress goods, overcoatings, and cloakings—			
Square yards.....	20,271,891	13,806,070	12,401,175
Value.....	\$30,458,554	\$7,390,057	\$8,901,470
Wool and cotton mixed woven goods:			
Square yards.....	6,485,185	1,339,919	3,996,585
Value.....	\$6,049,333	\$464,004	\$1,018,118
Cotton-warp woven goods:			
Wool-filling suitings, dress goods, overcoatings, and cloakings—			
Square yards.....	3,352,205	4,861,954	2,244,167
Value.....	\$2,810,550	\$1,497,661	\$709,016
All other:			
Square yards.....	17,002,139	18,113,218	12,341,126
Value.....	\$11,413,330	\$5,149,907	\$4,119,989
Woolen yarn:			
Pounds.....	130,076	28,499	16,779
Value.....	\$144,609	\$18,527	\$12,181
All other yarns and tops:			
Pounds.....	1,279,140	1,988,035	1,559,581
Value.....	\$2,816,526	\$901,568	\$1,244,725
Waste and nolls:			
Pounds.....	2,688,400	2,645,935	1,404,758
Value.....	\$442,908	\$241,499	\$258,012
Amount received for contract work.....	\$375,974	\$87,265	\$78,722
All other products, value.....	\$5,815,476	\$1,780,682	\$2,667,757

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Machinery used in textile mills (Table 21).—This table shows a steady increase in the total number of active producing spindles in the four principal textile industries combined, from 1909 to 1919. During the period from 1914 to 1919 there was a decrease of less than 1 per cent in number of producing spindles in the cotton industry, a decrease of 2 per cent in the silk-goods industry, but an increase of 7.9 per cent in the woolen and worsted.

The increase between 1914 and 1919 of less than 1 per cent in the number of looms used is due to slight increases in the cotton and woolen and worsted industries.

TABLE 21.—MACHINERY USED IN TEXTILE MILLS: 1919, 1914, AND 1909.

KIND.	Census year.	Total.	Cotton manufacturers.	Silk goods.	Woolen and worsted goods.	Knit goods.
Producing spindles.....	1919	1,359,873	1,091,991	4,872	263,010	1,100
	1914	1,347,028	1,098,142	4,970	243,716	1,100
	1909	1,240,492	1,020,688	4,740	214,584	480
Looms.....	1919	133,851	29,122	1,142	4,587	.....
	1914	33,631	28,972	126	4,533	.....
	1909	30,501	26,319	158	4,024	.....

¹ Includes 25 looms idle the entire year.

Paper and wood pulp (Table 22).—This table presents, for 1919, 1914, and 1909, statistics for the quantity and cost of materials used, the quantity and value of the principal products, and the character and capacity of equipment.

The statistics for the paper and wood pulp industry include establishments making both paper and pulp, those making paper only, and those making pulp only. In determining the cost of materials for the entire industry the cost of materials as reported by the three classes are combined. Similarly, the value of products for the industry as a whole is obtained by combining the totals for the three classes of establishments. There is, therefore, considerable duplication, as undoubtedly a large part of the wood pulp purchased is duplicated in the cost of pulp wood, while wood pulp produced for sale is again included to a considerable extent as a finished product in the value of paper manufactured.

Pulp wood, as at prior censuses, was the principal material used in 1919, constituting 45.4 per cent of the total cost of all materials. In addition to the various species of pulp wood shown separately in the table, the item "All other woods" includes hemlock, basswood, pine, beech, birch, maple, etc. The item "All other materials" includes cost of fuel and rent of power to the amount of \$7,988,255 and, in addition, the cost of mill supplies, chemicals, sizing, freight, etc.

Newspaper continues to be the principal product of the industry, representing more than 30 per cent of the total in 1919, as was the case at both of the preceding censuses.

TABLE 22.—PAPER AND WOOD PULP: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$54,070,588	\$25,457,967	\$20,504,213
Pulp wood:			
Cords.....	1,279,852	941,204	903,902
Cost.....	\$24,795,623	\$8,412,359	\$7,984,338
Spruce, domestic—			
Cords.....	893,376	598,296	552,032
Cost.....	\$17,412,300	\$5,348,873	(1)
Spruce, imported—			
Cords.....	141,164	128,373	166,500
Cost.....	\$3,043,785	\$1,408,693	(1)
Poplar, domestic—			
Cords.....	113,812	150,461	123,052
Cost.....	\$2,112,444	\$1,240,657	(1)
Poplar, imported—			
Cords.....	59,124	.....
Cost.....	\$1,023,036	.....
Balsam fir—			
Cords.....	41,930	.....
Cost.....	\$711,763	.....
All other woods, including slabs and other mill waste—			
Cords.....	30,437	64,073	62,378
Cost.....	\$191,695	\$444,130	(1)
Wood pulp, purchased:			
Tons.....	151,850	173,238	167,126
Cost.....	\$7,700,012	\$4,704,290	\$4,637,964
Ground—			
Tons.....	110,890	110,466	98,553
Cost.....	\$4,071,910	\$2,061,975	\$1,831,737
Sulphite fiber—			
Tons.....	30,040	48,423	52,805
Cost.....	\$2,723,152	\$2,108,150	\$2,118,781
Sulphate fiber—			
Tons.....	5,358	.....
Cost.....	\$534,252	.....
All other fiber, including soda fiber and screenings—			
Tons.....	4,962	14,349	15,768
Cost.....	\$379,098	\$534,174	\$687,446
Rags, including linen, cotton, flax waste, and sweepings:			
Tons.....	1,790	2,768	4,400
Cost.....	\$246,314	\$150,353	\$107,316
Paper stock, including shavings, and old and waste paper:			
Tons.....	14,811	13,770	7,264
Cost.....	\$504,217	\$180,893	\$119,305
China clay:			
Tons.....	40,199	.....
Cost.....	\$787,052	.....
Bleaching powder:			
Tons.....	27,193	.....
Cost.....	\$879,741	.....
Sulphur:			
Tons.....	37,987	.....
Cost.....	\$957,403	.....
All other materials, cost.....	\$18,811,226	\$11,980,563	\$7,505,200
PRODUCTS.			
Total value.....	\$93,016,028	\$40,170,744	\$38,950,280
Newspaper, in rolls or sheets:			
Tons.....	424,700	336,020	313,125
Value.....	\$28,507,097	\$13,202,168	\$11,424,388
Wrapping paper, including bag paper:			
Tons.....	108,042	176,673	143,000
Value.....	\$21,252,911	\$9,598,230	\$8,070,299
Boards:			
Tons.....	24,284	27,018	22,099
Value.....	\$2,047,271	\$1,252,952	\$831,340
All other paper, including poster, novel, and tablet paper; book paper; fine paper; tissue paper; etc.:			
Tons.....	102,602	118,821	104,516
Value.....	\$24,565,438	\$9,422,304	\$8,240,778
Wood pulp made for sale or for consumption in mills other than where produced:			
Tons.....	276,011	220,447	194,295
Value.....	\$16,703,685	\$6,644,002	\$5,370,504
Ground, including mechanical screenings—			
Tons.....	140,327	118,813	107,116
Value.....	\$5,143,283	\$2,057,000	\$1,922,784
Soda fiber—			
Tons.....	34,800	40,081	41,106
Value.....	\$3,200,404	\$2,016,331	\$1,748,294
Sulphite fiber—			
Bleached—			
Tons.....	49,985	15,679	
Value.....	\$5,398,456	\$1,132,479	
Unbleached—			
Tons.....	31,133	34,758	
Value.....	\$2,230,552	\$1,395,401	
All other chemical fiber—			
Tons.....	10,676	2,121	(1)
Value.....	\$320,590	\$42,701	(1)

¹ Not reported separately.

² Included in "all other woods."

³ Included in "all other fiber."

⁴ Included in "all other materials."

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TABLE 22.—PAPER AND WOOD PULP: 1919, 1914, AND 1909—Con.

	1919	1914	1909
PRODUCTS—continued.			
All other products, value.....	\$749,626	.....	\$3,921
Wood pulp produced, including that used in mills where manufactured, total tons.....	916,764	698,870	620,705
Ground, including mechanical screenings, tons.....	475,244	362,817	324,264
Soda fiber, tons.....	102,901	92,747	78,940
Sulphite fiber—			
Bleached, tons.....	88,350	42,815	.....
Unbleached, tons.....	235,368	103,570	217,501
All other chemical fiber, tons.....	14,901	6,921	(1)
EQUIPMENT.			
Paper machines:			
Total number.....	117	108	104
Yearly capacity, tons.....	621,732	684,830	634,059
Fourdrinier—			
Number.....	94	88	84
Daily capacity, tons.....	2,600	2,082	1,893
Cylinder—			
Number.....	23	20	20
Daily capacity, tons.....	217	197	174
Pulp equipment:			
Grinders, number.....	312	301	330
Digesters, total number.....	110	105	98
Soda.....	24	40	38
Sulphite.....	78	65	60
Sulphate.....	8	.....	.....
Yearly capacity, tons.....	1,024,874	812,215	807,798
Ground.....	526,023	440,718	491,095
Soda.....	122,320	102,000	99,265
Sulphite.....	343,771	269,497	217,438
Sulphate.....	32,160	.....	.....

¹ Not reported separately.

Boots and shoes (Tables 23 and 24).—Table 23 shows, by kinds, the number of pairs and value of footwear manufactured in the state for 1919, 1914, and 1909, and Table 24, shows for 1919 and 1914 this footwear by character of manufacture.

In 1919, compared with 1914, there was a decrease of 2,260,141 pairs, or 17.8 per cent, in the total number of pairs of boots and shoes, exclusive of slippers, etc., manufactured in the state. On the other hand, slippers, infants' shoes, etc., during this five-year period, increased 5,726,251 pairs, or 190.6 per cent.

In 1914 boots and shoes represented 80.9 per cent of the total manufactures, and slippers 19.1 per cent. The corresponding proportions, in 1919, were 54.5 per cent and 45.5 per cent, respectively.

TABLE 23.—BOOTS AND SHOES: 1919, 1914, AND 1909.

KIND.	NUMBER OF PAIRS AND VALUE.		
	1919	1914	1909
Aggregate value.....	\$48,050,388	\$22,836,073	\$15,157,827
Boots and shoes:			
Total number of pairs.....	10,444,825	12,704,966	9,068,454
Total value.....	\$36,350,508	\$10,304,189	.....
Men's—			
Number of pairs.....	3,319,890	4,470,245	4,788,134
Value.....	\$13,384,720	\$9,175,584	.....
Boys' and youths'—			
Number of pairs.....	1,235,043	572,980	665,270
Value.....	\$3,305,344	\$804,927	.....
Women's—			
Number of pairs.....	5,843,009	4,258,166	2,886,923
Value.....	\$18,977,351	\$5,718,240	.....
Misses' and children's—			
Number of pairs.....	546,883	3,399,575	728,127
Value.....	\$883,093	\$3,005,438	.....
Slippers, infants' shoes and slippers, and all other footwear:			
Number of pairs.....	8,730,502	3,004,311	208,648
Value.....	\$11,011,571	\$2,930,299	.....
All other products, including amount received for work done for others, value	\$697,300	\$502,585	.....

¹ Total value only reported in 1909.

In the production, by method of manufacture of boots and shoes, there have been some changes during the last five years. In 1914, 44.8 per cent was "Welted," 44.7 per cent "McKay", and 10.5 per cent "Other methods" (turned, and wood or metal fastened), as compared with 49 per cent, 28.2 per cent, and 22.8 per cent, respectively, in 1919.

TABLE 24.—BOOTS AND SHOES—NUMBER OF PAIRS, BY METHOD OF MANUFACTURE: 1919 AND 1914.

KIND.	Census year.	NUMBER OF PAIRS.			
		Total.	Welted.	McKay.	Other methods.
Boots and shoes:					
Men's.....	1919	3,319,890	2,758,485	52,250	509,155
	1914	4,470,245	3,745,200	502,972	228,073
Boys' and youths'.....	1919	1,235,043	1,051,710	154,923	28,410
	1914	572,980	194,176	334,500	44,244
Women's.....	1919	5,843,009	3,310,138	2,482,200	1,550,665
	1914	4,258,166	991,506	2,363,888	900,772
Misses' and children's.....	1919	546,883	.....	258,883	288,000
	1914	3,399,575	757,265	2,478,930	163,380
Slippers, infants' shoes and slippers, and all other foot-wear.....	1910	8,730,502	851,213	7,571,000	307,350
	1914	3,004,311	(1)	537,424	2,460,887

¹ Included under "Other methods" to avoid disclosure of individual operations.

Lumber and timber products (Table 25).—This table shows the production of lumber, lath, and shingles for 1919, 1914, and 1909. The importance of this industry in Maine has been decreasing since 1909. The lumber cut reported for that year was the largest of record, and the 1919 cut compared with that for 1909 shows a decrease of 46.4 per cent.

White pine and spruce are still the leading woods and in 1919 these two species contributed 37.6 per cent and 35 per cent, respectively, of the total cut. Hemlock furnished 14.3 per cent, balsam fir 5.1 per cent, and birch 3.6 per cent. Other important woods were cedar, maple, beech, oak, and basswood.

In 1919 Maine ranked twenty-first among the states in the production of lumber; in 1914 seventeenth; and in 1909 nineteenth.

TABLE 25.—PRODUCTION OF LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY. ¹			
	1919	1914	1909	
Lumber.....	M feet b. m.	696,116	992,694	1,111,565
Lath.....	thousands..	104,223	(2)	337,058
Shingles.....	thousands..	188,576	(2)	598,131

¹ The output of custom mills is included in 1919 and 1909, but not in 1914.² Not reported.

Canning and preserving (Table 26).—Of the total value of products for the canning industry as a whole, fish canning was by far the most important, forming 69.8 per cent of the total in 1919, as compared with 69.5 per cent in 1914. Fruits and vegetables represented 29.7 per cent of the total for both years, while the proportions for pickles, preserves, and sauces, was but four-tenths of 1 per cent in 1919 and eight-tenths of 1 per cent in 1914.

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Of the canned vegetables, corn was the most important, forming 85.7 per cent of the value of such products in 1919 and 84.5 per cent in 1914. Comparing other items in the table for these two years, apples represented 52.3 per cent of canned fruits in 1919 as compared with 23.8 per cent in 1914; sardines, 92.3 per cent of canned fish and clams in 1919 and 91.8 per cent in 1914; and salt cod 72.4 per cent of salted fish in 1919 as compared with 43.4 per cent in 1914.

TABLE 26.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value ¹	\$24,550,574	\$10,742,738	\$7,688,833
Canning and preserving, fruits and vegetables.....	\$7,301,237	\$3,100,404	\$1,898,511
Canning and preserving, fish and clams.....	\$17,141,940	\$7,466,391	\$5,738,085
Pickles, preserves, and sauces.....	\$107,397	\$85,943	\$51,037
Canned vegetables:			
Cases.....	1,817,438	1,318,308	920,257
Value.....	\$5,504,832	\$2,413,142	\$1,545,452
Corn—			
Cases.....	1,545,877	1,101,333	792,185
Value.....	\$4,716,222	\$2,038,716	\$1,320,223
Beans—			
Cases.....	229,228	159,639	92,602
Value.....	\$649,942	\$230,585	\$151,476
All other—			
Cases.....	42,333	64,336	35,470
Value.....	\$138,608	\$137,841	\$73,753
Canned fruits:			
Cases.....	401,021	169,889	143,452
Value.....	\$1,710,699	\$320,435	\$230,000
Apples—			
Cases.....	246,801	55,124	75,540
Value.....	\$895,031	\$76,403	\$122,791
All other—			
Cases.....	154,220	114,705	67,912
Value.....	\$815,668	\$244,032	\$107,905
Fish and clams, value.	\$10,117,004	\$7,496,391	\$5,738,085
Canned:			
Cases.....	3,863,917	4,793,431	4,812,739
Value.....	\$13,670,972	\$6,299,042	
Sardines—			
Cases (100—No. 1 cans).....	3,660,935	2,4,634,424	
Value.....	\$12,027,862	\$5,780,857	
Clams—			
Cases.....	73,025	73,764	
Value.....	\$350,090	\$210,880	
All other—			
Cases.....	120,957	85,243	
Value.....	\$702,020	\$307,296	
Smoked fish:			
Pounds.....	6,345,027	5,406,605	8,814,081
Value.....	\$502,530	\$362,901	\$320,074
Finnan haddie—			
Pounds.....	1,063,492	1,055,243	975,082
Value.....	\$136,440	\$102,474	\$63,141
Herring—			
Pounds.....	5,278,035	3,797,262	7,502,093
Value.....	\$455,480	\$237,703	\$255,408
All other—			
Pounds.....	2,000	554,100	246,306
Value.....	\$610	\$22,784	\$6,035
Salted fish:			
Pounds.....	17,956,564	21,258,115	17,027,107
Value.....	\$1,844,493	\$504,388	\$599,272
Cod—			
Pounds.....	9,904,117	6,604,788	7,267,330
Value.....	\$1,334,989	\$345,741	\$333,621
Haddock—			
Pounds.....	1,440,134	738,700	992,035
Value.....	\$151,697	\$22,256	\$30,324
Herring—			
Pounds.....	768,425	173,500	216,400
Value.....	\$47,333	\$3,105	\$4,332
All other—			
Pounds.....	5,783,888	13,741,127	8,550,502
Value.....	\$310,574	\$430,288	\$230,995
Pickles, preserves and sauces, value.	\$107,397	\$85,943	\$51,037
All other products, value.....	\$1,110,042	\$456,827	\$122,363

¹ In addition, canned vegetables, canned fruits, canned clams, and dried potatoes to the value of \$1,440,782 were reported by establishments in other industries in 1919 and \$325,226 in 1914.

² Reported 48 cans per case in 1914.

Printing and publishing (Table 27).—This table shows the number and aggregate circulation per issue of the different classes of newspapers and periodicals for the years 1919, 1914, and 1909.

The decrease in number is distributed among all classes of publications, but the decrease shown in circulation does not affect the daily and Sunday issues, these having increased. Weekly publications and certain kinds of monthly publications having a wide circulation, and for years centering in Augusta, decreased materially in number by removal or extinction. Consequently the circulation of this class reported for 1919 was much less than that given for 1914.

The only publications not printed in English were one weekly and two triweeklies, printed in French.

TABLE 27.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
				1919	1914	1909
	80	113	120	4,022,491	4,316,630	4,261,879
Total.....	14	18	10	147,336	140,315	99,868
Daily ¹	59	79	90	115,155	179,109	100,745
Weekly ²	7	16	23	3,700,000	3,907,206	3,962,268

¹ Includes 2 Sunday newspapers in 1919 and 1909, and 3 in 1914.

² Includes 2 semiweekly and 3 triweekly publications in 1919; 5 semiweekly and 1 triweekly in 1914; and 2 semiweekly and 1 triweekly in 1909.

³ Includes quarterly publication in 1919 and 1909, and 2 quarterly and 1 semi-monthly publications in 1914.

Laundries (Table 28).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 28, however, summarizes the statistics for such laundries in the state for 1919 and 1914.

TABLE 28.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, 1914— 1919.
	1919	1914	
Number of establishments.....	81	92	.....
Persons engaged.....	1,144	1,097	4.3
Proprietors and firm members.....	81	101	-19.8
Salaried employees.....	70	66	.....
Wage earners (average number).....	993	930	6.8
Primary horsepower.....	1,577	1,741	-9.4
Capital.....	\$1,121,500	\$685,304	63.7
Salaries and wages.....	687,605	434,619	58.2
Salaries.....	50,482	63,956	49.2
Wages.....	607,083	380,663	50.5
Paid for contract work.....	6,392	2,201	190.4
Rent and taxes.....	33,067	27,233	24.7
Cost of materials.....	412,828	182,477	126.2
Amount received for work done.....	1,514,854	939,021	61.3

¹ A minus sign (-) denotes decrease; percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 29).—Statistics for dyeing and cleaning establishments that were operated

by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 29.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	12
Persons engaged.....	126
Proprietors and firm members.....	10
Salaried employees.....	22
Wage earners (average number).....	94
Primary horsepower.....	112
Capital.....	\$131,883
Salaries and wages.....	111,621
Salaries.....	24,567
Wages.....	87,054
Paid for contract work.....	1,027
Rent and taxes.....	8,066
Cost of materials.....	43,905
Amount received for work done.....	241,671

Custom sawmills and gristmills (Tables 30 and 31).—Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 30 and 31, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for the work performed, and that for custom gristmills, the selling value of all grain milled.

TABLE 30.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of in- crease, 1909- 1919.
	1919	1909	
Number of establishments.....	98	88	.....
Persons engaged.....	214	223	-4.0
Proprietors and firm members.....	112	100	12.0
Salaried employees.....	4	4	.....
Wage earners (average number).....	102	119	-14.3
Primary horsepower.....	4,895	4,339	5.9
Capital.....	\$256,673	\$173,590	47.9
Salaries and wages.....	77,216	44,696	72.8
Salaries.....	1,383	.....	.....
Wages.....	77,216	43,313	78.3
Rent and taxes.....	4,104	2,386	74.5
Cost of materials.....	16,386	3,135	422.7
Amount received for work done.....	161,564	102,802	57.2

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

TABLE 31.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of in- crease, 1909- 1919.
	1919	1909	
Number of establishments.....	22	34	.....
Persons engaged.....	30	45	.....
Proprietors and firm members.....	23	35	.....
Salaried employees.....	1	.....	.....
Wage earners.....	6	10	-50.7
Primary horsepower.....	630	1,279	.....
Capital.....	\$122,027	\$49,623	145.9
Salaries and wages.....	5,826	3,998	33.4
Salaries.....	300	.....	.....
Wages.....	5,026	3,093	25.9
Rent and taxes.....	1,329	534	149.0
Cost of materials ²	250,530	197,857	31.3
Value of products ²	316,107	248,593	27.2

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

² Includes estimate of all grain ground.

GENERAL TABLES.

Table 32 gives, for 1919, 1914, and 1909, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products, for selected industries in the state and in Portland, and for the cities having from 10,000 to 50,000 inhabitants, for which comparable statistics are available, similar data for all industries combined.

Table 33 presents, for 1919, for the state as a whole and for Portland, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and the statistics for all industries combined for cities having from 10,000 to 50,000 inhabitants, except Sanford, figures for which could not be shown without disclosing individual operations.

MANUFACTURES—MAINE.

TABLE 32.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value of			Cen-	Num-	Wage	Pri-	Wages	Cost of	Value of	
								estab-	earners								
								lish-	(aver-								
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																	
All industries.....	1919	2,005	88,651	547,028	\$94,225	\$254,569	\$456,822	Foundry and machine-shop products. ¹	1919	257	4,550	9,502	\$5,556	\$7,522	\$18,421		
	1914	3,378	82,149	487,211	43,251	117,655	200,450		1914	189	2,874	5,539	1,785	2,643	5,799		
	1909	3,546	79,955	459,599	37,632	97,101	176,029		1909	125	2,885	4,957	1,512	2,344	5,237		
Awnings, tents, and sails.....	1919	17	40	22	43	120	215	Furniture.....	1919	10	292	1,346	263	628	1,289		
	1914	24	60	20	32	91	173		1914	10	111	311	67	127	270		
	1909	23	74	11	49	139	229		1909	13	215	554	116	168	368		
Boots and shoes, including cut stock and findings.....	1919	1,45	10,198	6,074	9,413	30,595	48,865	Gas, illuminating and heating.....	1919	13	220	463	267	647	1,381		
	1914	59	8,986	5,153	5,046	15,034	23,330		1914	17	220	490	152	292	769		
	1909	55	6,626	3,810	3,210	9,941	15,500		1909	19	218	349	120	212	549		
Boxes, paper and other, not elsewhere specified.....	1919	15	443	409	278	530	1,210	Glucose and starch.....	1919	26	255	858	298	1,178	1,752		
	1914	12	288	161	120	168	358		1914	51	114	1,550	56	485	629		
	1909	10	280	131	92	125	304		1909	64	120	1,838	68	475	687		
Bread and other bakery products.....	1919	180	809	690	835	3,984	7,093	Leather, tanned, curried, and finished.....	1919	9	306	1,746	209	2,675	3,359		
	1914	202	729	445	424	1,557	2,626		1914	10	358	1,995	182	2,061	2,419		
	1909	186	586	253	303	1,428	2,235		1900	17	436	1,467	208	1,452	1,005		
Brick, sewer pipe, and drain-tile.....	1919	19	254	1,186	278	259	704	Lumber and timber products. ⁶	1919	712	11,492	68,042	10,943	15,128	33,389		
	1914	37	467	1,277	308	316	741		1914	952	15,452	81,967	7,817	13,144	27,503		
	1909	49	203	899	150	105	300		1900	1,065	15,086	95,363	7,103	10,030	26,125		
Butter.....	1919	10	75	254	74	697	1,060	Marble and stone work.....	1919	130	1,041	6,108	1,118	602	2,328		
	1914	17	90	450	55	1,239	1,428		1914	137	1,833	9,138	1,302	587	2,529		
	1909	29	96	523	48	1,098	1,301		1909	142	2,381	7,785	1,532	490	2,565		
Canning and preserving ¹	1919	217	3,846	10,619	2,875	10,980	24,551	Mattresses and spring beds, not elsewhere specified.....	1919	6	52	157	31	130	226		
	1914	3,913	6,257	1,203	7,404	10,743			1914	6	70	55	34	110	197		
	1909	245	3,850	4,355	1,138	5,125			1909	10	72	69	30	94	148		
Carriages and wagons, including repairs.....	1919	58	131	401	149	584	902	Mineral and carbonated waters.....	1919	47	100	230	98	525	818		
	1914	123	317	695	188	364	767		1914	53	102	245	58	183	328		
	1909	143	388	836	214	356	852		1909	45	80	256	44	04	247		
Cars and general shop construction and repairs by electric-railroad companies.....	1919	11	151	149	178	191	403	Paper and wood pulp.....	1919	39	13,058	201,223	16,508	54,671	93,917		
	1914	11	176	97	105	99	224		1914	38	10,033	245,121	6,754	25,458	40,180		
	1909	13	161	258	99	85	201		1909	45	8,647	223,787	5,267	20,504	33,950		
Cars and general shop construction and repairs by steam-railroad companies.....	1919	16	1,721	2,466	2,738	1,756	4,744	Patent medicines and compounds and druggists' preparations.....	1919	22	45	28	26	148	374		
	1914	13	1,344	1,377	988	1,006	2,070		1914	30	113	67	42	202	468		
	1909	18	1,200	953	763	1,199	2,048		1909	37	144	94	49	197	758		
Clothing, men's, including shirts.....	1919	25	816	233	470	2,019	3,020	Printing and publishing ⁶	1919	175	1,599	1,943	1,203	2,401	5,932		
	1914	27	1,047	290	438	1,201	2,173		1914	204	1,772	1,700	955	1,210	3,717		
	1900	33	1,068	229	333	597			1909	195	1,651	1,565	770	1,102	3,438		
Clothing, women's.....	1919	7	102	67	97	160	351	Shipbuilding, wooden, including boat building.....	1919	76	2,515	4,070	3,398	4,920	10,679		
	1914	7	315	48	104	229	472		1914	105	461	1,270	284	646	1,193		
	1909	7	532	142	184	338	680		1909	155	708	1,783	369	657	1,523		
Coffins, burial cases, and undertakers' goods.....	1919	6	53	197	47	150	278	Slaughtering and meat packing ⁷	1919	26	143	605	157	1,801	2,344		
	1914	8	51	190	20	46	112		1914	26	126	212	79	1,135	1,370		
	1909	8	49	149	31	91	164		1909	20	107	213	58	785	957		
Confectionery and ice cream.....	1919	87	313	573	244	1,265	2,033	Stoves and ranges.....	1919	4	165	224	170	131	479		
	1914	68	277	338	113	637	980		1914	4	214	208	145	111	361		
	1909	80	277	338	113	637	980		1909	4	190	208	113	98	329		
Cooperage and wooden goods, not elsewhere specified.....	1919	83	506	2,625	466	1,081	2,019	Tobacco, cigars.....	1919	52	186	4	153	261	555		
	1914	74	476	2,272	244	559	1,022		1914	74	242	6	148	190	473		
	1909	68	349	1,670	164	435	812		1909	77	252	146	169	169	404		
Copper, tin, and sheet-iron products. ³	1919	31	448	546	443	2,353	3,415	Tools, not elsewhere specified.....	1919	10	50	107	46	97	203		
	1914	26	288	455	198	891	1,002		1914	15	68	344	49	111	206		
	1909	16	374	439	180	1,018	1,059		1909	10	50	301	32	55	134		
Cotton goods.....	1919	14	11,763	71,702	11,426	29,424	58,564	Wood, turned and carved.....	1919	54	1,233	5,349	1,087	1,702	3,647		
	1914	15	13,834	64,404	5,775	13,033	22,122		1914	59	1,650	5,714	808	967	2,208		
	1909	16	14,634	53,823	5,718	11,390	21,932		1909	62	1,287	4,525	572	809	1,870		
Fertilizers.....	1919	10	174	616	150	3,077	4,055	Woolen and worsted goods.....	1919	66	9,913	28,373	11,038	36,227	60,327		
	1914	8	165	973	68	1,195	1,583		1914	57	7,998	23,839	4,072	10,823	17,531		
	1909	5	95	323	36	431	597		1909	63	8,553	21,651	3,779	11,120	18,002		
Flour-mill and gristmill products.	1919	118	144	4,744	147	4,709	5,443	All other industries.....	1919	292	9,269	21,997	11,168	23,172	45,447		
	1914	143	217	6,026	128	3,059	4,426		1914	270	5,299	16,453	2,852	8,142	15,248		
	1909	173	225	7,720	101	4,027	4,507		1909	281	6,027	16,320	2,912	7,328	14,436		

¹ Excludes statistics for 2 establishments to avoid disclosure of individual operations.² Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; "canning and preserving, oysters"; and "pickles, preserves, and sauces."³ Includes "tinware, not elsewhere specified," in all years; and "stamped and enameled ware" in 1914 and 1909.⁴ Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "iron and steel, welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "structural iron work, not made in steel works or rolling mills"; "and textile machinery and parts" in all years; and "steam fittings and steam and hot-water heating apparatus" in 1914 and 1909.⁵ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; "pulp wood" in all years; and "window and door screens" 1914 and 1909.⁶ Includes "bookbinding and blank-book making."⁷ Includes "sausage, not made in slaughtering and meat-packing establishments."

MANUFACTURES—MAINE.

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TABLE 32.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen-sus year.	Num-ber of estab-lish-ments	Wage earners (aver-age num-ber).	Pri-mary horse-power.	Wages.	Cost of mate-rials.	Value of prod-ucts.	INDUSTRY AND CITY.		Cen-sus year.	Num-ber of estab-lish-ments	Wage earners (aver-age num-ber).	Pri-mary horse-power.	Wages.	Cost of mate-rials.	Value of prod-ucts.								
								Expressed in thousands.						Expressed in thousands.										
CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																								
PORTLAND.....	1919	308	5,486	11,529	\$6,009	\$15,590	\$29,168	Foundry and machine-shop products. ⁴	1919	40	883	2,440	\$1,212	\$2,135	\$4,876									
All industries.	1914	296	5,197	8,300	3,071	8,028	14,705		1914	42	626	1,366	411	1,021	1,787									
	1909	271	4,002	7,849	2,508	6,009	11,950		1909	21	483	1,260	266	613	1,200									
Boxes, paper and other, not elsewhere specified.	1919	3	126	28	56	74	176	Lumber and timber products. ⁵	1919	6	340	1,721	330	589	1,095									
	1914	3	84	40	34	39	96		1914	12	649	1,922	416	1,056	2,178									
Bread and other bakery products.	1919	36	224	113	328	1,269	1,825		1909	11	607	1,590	365	920	1,838									
	1914	28	180	104	109	360	615	Marble and stone work.....	1919	6	26	51	37	35	101									
	1909	27	136	42	71	373	531		1914	4	20	10	16	9	31									
Canning and preserving ¹	1919	11	374	736	301	1,877	2,718		1909	9	53	55	35	34	92									
	1914	10	237	311	114	892	1,103	Mineral and carbonated waters.	1919	4	32	38	27	203	278									
	1909	7	78	71	30	142	226		1914	7	24	53	13	84	113									
Confectionery and ice cream..	1919	18	142	296	129	618	1,026	Printing and publishing ⁴	1919	37	373	623	365	594	1,541									
	1914	14	162	214	67	460	692		1914	45	424	503	280	252	994									
	1909	9	124	94	51	166	246		1909	43	619	486	299	294	1,010									
Copper, tin, and sheet-iron work.	1919	11	44	3	59	48	160	All other industries.....	1919	131	2,914	5,251	3,156	7,686	14,851									
	1914	9	40	14	28	46	117		1914	117	2,728	3,543	1,571	3,413	6,460									
	1909	9	124	94	51	166			1909	138	2,789	3,219	1,388	3,298	6,617									
Flour-mill and gristmill products.	1919	5	8	220	9	402	521																	
	1914	5	23	220	12	376	429																	
	1909	6	13	1,023	3	169	190																	
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.																								
AUBURN.....	1910	74	5,850	5,335	5,250	15,607	27,852	BIDDEFORD.....	1919	49	4,409	28,671	4,800	11,052	20,634									
	1914	84	4,811	4,411	2,885	8,686	13,840		1914	65	5,054	20,703	2,188	5,611	9,536									
	1909	83	3,452	3,445	1,748	8,790	8,843		1909	43	5,076	17,088	1,903	4,897	9,012									
AUGUSTA.....	1919	44	2,343	8,193	2,018	6,627	11,980	LEWISTON.....	1919	109	6,566	25,450	6,437	16,647	29,763									
	1914	30	2,231	9,639	1,071	2,980	4,918		1914	98	6,222	21,879	2,920	6,020	10,619									
	1909	40	2,275	5,350	1,159	2,484	4,662		1909	83	6,788	19,438	2,741	5,275	10,475									
BANGOR.....	1919	106	1,153	2,819	1,075	8,286	5,545	WATERVILLE.....	1919	49	2,432	9,075	2,350	5,445	9,967									
	1914	122	1,200	2,355	734	1,052	3,557		1914	45	2,062	5,319	1,037	2,161	4,012									
	1909	122	1,327	2,441	735	1,847	3,346		1909	33	1,812	3,184	805	1,771	3,179									

¹ Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; and "pickles, preserves, and sauces" in all years; and "canning and preserving, oysters" in 1914 and 1909.

² Includes "automobile repairing"; "engines, steam, gas, and water"; "hardware"; "iron and steel, welding"; and "structural iron work, not made in steel works or rolling mills," in all years; and "plumbers' supplies, not elsewhere specified," and "steam fittings and steam and hot-water heating apparatus" in 1914 and 1909.

³ Includes "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "boxes, wooden packing, except cigar boxes," and "window and door screens" in 1914 and 1909.

⁴ Includes "bookbinding and blank-book making."

MANUFACTURES—MAINE.

TABLE 33.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	Total,	PERSONS ENGAGED IN THE INDUSTRY.						WAGE EARNERS, DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
			Proprietors, superintendents and managers.	Salaried officers.	Clerks, etc.		Wage earners.			16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—	Maximum month.	Male.	Female.	Male.	Female.		

THE STATE.—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

																Dollars.
1	All industries.....	2,095	99,312	2,745	3,230	2,499	2,187	88,651	Se 98,407	Mh 78,696	(*)	(*)	(*)	(*)	419,158,006	
2	Artificial stone products.....	9	37	9	—	1	—	27	My 44	Ja 4	20	43	43	—	64,757	
3	Automobile bodies and parts.....	6	56	3	6	1	6	40	Au 48	Ja 28	45	45	—	47,981		
4	Automobile repairing.....	161	605	180	29	19	37	400	Jy 4	510	Ja 286	425	421	4	1,005,044	
5	Awnings, tents, and sails.....	3	61	17	2	2	—	40	My 45	No 35	45	36	9	—	101,329	
6	Baskets, and rattan and willow ware.....	9	9	4	—	—	—	5	Oc 7	Mh 4	4	7	7	—	7,506	
7	Bookbinding and blank-book making.....	6	84	13	5	—	1	65	De 70	Mh 60	71	35	35	1	81,537	
8	Boot and shoe findings.....	6	317	1	17	7	13	279	De 424	Ja 211	306	240	117	—	955,503	
9	Boots and shoes, not including rubber boots and shoes.....	39	10,965	14	344	209	470	9,019	—	—	11,954	7,361	4,519	44	23,752,877	
10	Regular factory products.....	33	10,806	9	335	204	475	9,783	De 11,706	My 8,395	11,701	7,278	4,444	44	23,521,870	
11	Moccasins.....	6	159	5	5	4	4	136	Oc 173	Fe 85	163	88	75	—	231,007	
12	Boxes, paper and other, not elsewhere specified.....	15	491	8	28	—	12	443	—	—	511	170	338	3	844,287	
13	Set-up paper boxes.....	8	273	7	14	—	6	246	De 275	Ja 199	265	52	210	3	233,590	
14	All other.....	7	218	1	14	—	6	197	De 239	Jy 153	246	118	128	—	610,697	
15	Boxes, wooden packing, except cigar boxes.....	29	1,033	20	46	23	26	918	De 1,198	My 724	1,213	1,152	58	3	2,024,794	
16	Brass and bronze products.....	5	27	6	1	—	1	19	De 24	Ja 4	15	25	25	—	88,933	
17	Bread and other bakery products.....	180	1,145	208	27	51	50	809	Oc 875	Fe 728	892	576	302	10	2,516,303	
18	Brick, sewer pipe, and drainpipe.....	10	300	12	20	9	5	254	Au 409	Ja 108	290	290	—	—	1,188,837	
19	Brooms, from broom corn.....	4	14	4	2	1	—	7	Ja 4	8	Mh 4	6	5	1	28,084	
20	Brushes.....	3	54	4	1	—	2	47	My 55	De 41	40	20	20	—	67,957	
21	Butter.....	10	97	7	5	3	7	75	Jy 79	Ja 72	73	72	1	—	407,458	
22	Canning and preserving, fish.....	102	3,066	65	165	50	65	2,721	Se 5,592	Fe 859	4,973	2,178	2,740	25	17,199,422	
23	Canning and preserving, fruits and vegetables.....	.97	1,352	85	150	24	45	1,048	—	—	4,371	2,706	1,502	47	4,202,879	
24	Canned vegetables.....	71	1,029	64	127	20	36	782	Se 4,397	Fe 46	3,500	2,330	1,150	45	3,470,104	
25	Canned fruits.....	26	323	21	23	4	9	268	Se 749	Je 16	811	367	442	2	732,685	
26	Canning and preserving, oysters.....	13	91	14	7	1	—	69	My 159	Ja 6	184	65	119	—	102,507	
27	Carpets, rag.....	3	34	1	1	—	1	31	De 64	My 21	67	52	11	4	61,834	
28	Carriages and wagons, including repairs.....	58	211	65	8	3	4	131	—	—	140	130	1	—	563,219	
29	Carriages and wagons.....	43	175	47	8	2	4	114	Jy 120	Ja 108	125	124	1	—	629,623	
30	Repair work only.....	15	36	18	—	1	—	17	Fe 14	Ja 16	15	15	—	—	39,596	
31	Cars and general shop construction and repairs by electric-railroad companies.....	11	166	—	11	3	1	151	Ja 156	De 145	145	145	—	—	600,384	
32	Cars and general shop construction and repairs by steam-railroad companies.....	16	1,829	—	47	45	16	1,721	De 1,808	Ja 1,634	1,808	1,800	8	—	3,192,350	
33	Cleansing and polishing preparations.....	7	7	6	—	—	1	(*)	1	(*)	1	1	1	—	7,491	
34	Clothing, men's.....	14	309	14	10	10	5	270	De 318	Ja 235	334	68	206	—	608,300	
35	Clothing, women's.....	7	190	3	16	4	5	162	No 180	Ap 144	183	11	172	—	210,078	
36	Coffee, roasting and grinding.....	5	25	3	6	1	—	15	(*)	15	15	7	8	—	95,526	
37	Coffins, burial cases, and undertakers' goods.....	6	77	15	5	3	1	53	Mh 55	Ja 50	55	52	3	—	271,408	
38	Confectionery and ice cream.....	87	480	86	34	22	25	313	—	—	362	172	188	2	1,062,844	
39	Confectionery.....	55	319	54	22	12	16	215	Oc 250	Ja 195	251	95	154	2	553,970	
40	Ice cream.....	32	161	32	12	10	9	98	Jy 141	Fe 61	111	77	34	—	508,874	
41	Cooperage.....	69	201	72	7	—	2	120	Oc 162	Je 82	178	175	3	—	727,503	
42	Copper, tin, and sheet-iron work.....	23	112	31	4	3	6	68	No 78	Ja 58	78	77	1	—	119,852	
43	Cotton goods.....	14	11,951	—	89	65	34	11,763	De 13,511	Mh 6,661	13,522	7,034	6,378	63	54,735,225	
44	Druggists' preparations.....	3	19	3	—	—	1	15	(*)	15	15	5	10	—	83,322	
45	Fertilizers.....	10	243	7	18	28	16	174	Ja 261	No 121	170	167	3	—	3,347,807	
46	Flavoring extracts.....	10	47	5	6	1	5	30	Au 38	Ja 23	35	10	24	1	265,942	
47	Flour-mill and gristmill products.....	118	299	114	25	6	10	144	De 156	Au 134	169	154	15	—	2,706,040	
48	Food preparations, not elsewhere specified.....	7	18	5	1	—	—	12	No 33	Ja 4	35	9	25	1	12,808	
49	Foundry and machine-shop products.....	73	2,468	67	98	68	64	2,171	—	—	2,270	2,234	35	1	8,152,705	
50	Boiler shops and foundries.....	8	245	3	21	6	3	212	De 203	Fe 197	291	288	3	—	649,361	
51	Machine shops.....	51	1,002	60	22	15	24	881	Ja 930	De 748	955	948	7	—	2,627,187	
52	Machine shop and foundry combined.....	14	1,221	4	55	47	37	1,078	Ja 1,198	No 989	1,024	998	25	1	4,876,247	
53	Furniture.....	10	378	9	19	23	35	292	—	—	365	338	27	—	1,521,646	
54	Wood, other than rattan and willow.....	7	333	8	14	20	35	256	De 327	Ja 129	320	302	27	—	1,462,435	
55	Stone and office fixtures.....	3	45	1	5	3	—	30	Ap 4	38	34	30	30	—	50,211	
56	Gas, illuminating and heating.....	13	309	—	32	33	24	220	No 245	Jy 204	218	214	3	1	4,431,373	
57	Glucose and starch.....	26	297	28	9	3	2	255	Ap 547	Au 67	666	612	49	5	931,208	
58	Hair work.....	4	22	5	1	—	1	15	(*)	15	15	16	2	14	6,735	
59	Hand stamps.....	3	7	2	—	—	—	5	(*)	5	5	5	4	1	5,144	
60	Jewelry.....	3	10	3	—	1	—	6	(*)	6	6	7	7	—	10,736	
61	Leather, tanned, curried, and finished.....	9	337	2	21	3	5	306	De 374	My 270	376	303	13	—	2,507,111	
62	Liquors, malt.....	3	5	3	—	—	—	2	Ap 4	3	3	3	3	—	10,142	
63	Lumber and timber products.....	627	11,066	694	280	206	92	9,794	No 11,423	Jy 8,278	13,605	13,548	112	4	29,743,391	
64	Lumber, planing-mill products, not including planing mills connected with sawmills.....	56	918	58	40	25	15	780	No 909	Mh 566	806	777	27	1	3,555,153	
65	Machine tools.....	3	8	3	—	—	—	5	(*)	5	5	5	5	—	15,007	
66	Marble and stone work.....	130	1,259	146	37	18	17	1,041	—	—	1,294	1,290	2	2	1,901,005	
67	Monuments and tombstones.....	95	300	112	7	6	6	168	Jy 191	Ja 109	103	189	2	2	533,707	
68	All other.....	35	959	34	30	11	11	873	Ja 1,124	Fe 374	1,101	1,101	—	—	1,457,298	

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MAINE.

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COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.												POWER.									
Salaries and wages.			Rent and taxes.			For materials.			Value added by manufacture.	Primary horsepower.					Electric horse-power generated in establishments reporting.						
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.	Rented. ²								

THE STATE.—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 11,300,621	Dollars. 6,202,232	Dollars. 94,225,346	Dollars. 3,630,949	Dollars. 895,234	Dollars. 19,906,648	Dollars. 241,084,861	Dollars. 13,483,602	Dollars. 456,821,783	Dollars. 202,253,260	Dollars. 547,028	Dollars. 141,437	Dollars. 32,418	Dollars. 4,481	Dollars. 274,528	Dollars. 94,164	Dollars. 72,047	1
1,500	20,335	332	753	22,979	1,078	50,588	32,531	39	27	12	2
6,902	2,274	40,313	3,242	251	22,530	1,598	85,879	62,742	64	64	3
32,421	28,548	464,202	35,830	11,900	439,244	28,318	1,276,609	800,047	773	8	186	579	4	
2,848	588	42,779	3,968	707	118,409	1,750	215,410	95,251	22	22	5	
9,922	560	47,169	103	4,115	780	95,000	1,168	176,722	80,554	46	15	6	
57,377	21,510	189,018	1,240	17,726	366,794	8,773	805,495	429,928	709	250	15	150	294	220	8		
1,080,784	957,220	9,220,804	101,486	36,772	1,079,809	30,004,831	215,070	48,059,388	17,839,487	5,365	801	40	4,524	70	9		
1,041,196	951,396	9,134,073	99,711	34,954	1,078,282	29,802,119	211,954	47,684,923	17,670,850	5,303	774	40	4,489	70	10		
10,588	5,824	92,131	1,775	1,818	1,587	3,116	374,465	168,037	62	27	.....	.....	35	11	
49,127	8,404	277,946	3,354	6,332	12,153	515,450	14,402	1,239,524	709,072	409	180	.....	.....	229	12
28,000	4,758	135,566	4,100	3,786	169,129	6,838	502,352	416,385	73	.....	.....	.....	.....	73	13
21,037	3,736	142,380	3,354	2,232	8,367	340,321	7,594	647,172	293,287	336	180	.....	.....	156	14
144,457	64,483	708,172	410,824	6,956	82,586	2,530,607	14,049	4,543,880	1,994,164	4,305	3,395	6	64	840	267	15	
1,820	810	17,064	880	264	40,361	3,172	84,349	34,816	58	.....	.....	.....	.....	58	16
99,177	128,358	834,535	900	40,909	85,852	3,875,569	108,437	7,092,735	3,103,729	690	21	17	.....	652	6	
42,205	15,189	277,655	1,200	642	16,497	134,501	124,235	704,484	445,658	1,186	675	38	473	686	18		
2,193	1,313	5,681	96	360	168	20,569	288	49,054	22,227	7	.....	.....	7	19	
1,200	1,421	29,677	752	360	60,733	1,125	106,347	44,489	45	.....	.....	30	15		
7,101	9,480	74,222	733	3,889	682,305	14,931	1,059,652	362,356	254	49	46	152	21				
517,878	143,705	2,005,020	22,325	243,645	11,780,128	246,073	16,980,400	4,054,201	6,658	4,073	335	1,118	132	967	22		
245,565	48,360	741,702	1,250	5,316	143,643	4,698,138	64,878	7,301,237	2,540,221	3,696	3,108	185	30	373	25		
223,075	42,193	564,032	1,250	3,554	136,250	3,524,702	46,527	5,670,041	2,008,622	2,835	2,464	26	345	24			
22,490	6,167	177,700	1,702	7,293	1,171,346	18,351	1,721,296	531,599	861	644	185	4	28	25			
5,901	1,379	31,949	108	260	4,210	96,423	8,742	101,540	61,375	110	60	10	41				
1,664	559	30,339	1,099	99	924	12,331	1,736	70,587	56,520	91	50	.....	258	28		
13,600	7,540	149,288	1,130	4,036	7,307	571,312	12,390	902,252	318,550	491	45	176	224	29			
13,600	7,348	132,312	1,130	8,315	7,066	552,809	10,466	838,044	273,269	445	45	12	34	30			
20,468	3,475	16,986	627	1,321	301	19,003	1,924	66,208	45,281	46	.....	149	31			
131,989	109,538	2,738,157	.....	.....	23,883	1,625,422	130,992	4,743,759	2,987,345	2,466	908	.....	1,558	667	32
1,200	282	118	11,873	249	20,191	8,060	7	.....	.....	.....	.....	.....	7	33	
24,820	17,200	141,462	1,023	6,750	20,597	460,806	7,444	808,408	340,218	76	.....	.....	76	34	
31,460	12,610	97,184	200	6,975	1,935	157,440	2,605	351,053	191,008	67	.....	.....	67	35	
7,225	200	1,079	1,080	1,159	226,466	924	267,960	40,570	27	.....	.....	27	36		
15,290	5,748	46,575	501	1,961	3,183	146,500	3,303	278,017	128,154	197	8	97	92	74			
78,848	33,029	244,216	30,125	65,736	1,238,736	26,620	2,032,500	767,153	573	76	12	485	38				
35,983	19,750	142,350	20,071	39,911	631,566	15,971	940,253	392,728	238	58	180	305	39				
42,865	13,270	101,866	18,454	25,525	707,180	10,649	1,092,256	374,427	335	18	12	41	41				
9,733	2,963	115,816	6,005	12,296	404,946	2,990	658,476	250,540	267	200	6	20	41				
7,844	4,767	89,490	280	6,441	2,627	1,163,603	2,151	310,050	193,206	75	.....	76	42			
442,745	153,373	11,426,977	388,370	138	4,214,637	28,031,470	732,905	56,533,825	27,139,450	71,702	13,750	16,053	38,155	3,740	20,611		
1,300	6,532	515	1,182	3,026	306	61,475	3,026	1,044,754	27,143	1	.....	.....	1	44	
49,134	48,851	180,405	500	2,421	36,368	3,068,019	8,957	4,054,698	977,722	616	70	5	541	45			
32,200	5,419	21,569	1,274	42,522	318,223	1,022	586,116	271,871	10	.....	.....	10	46		
51,470	10,595	147,074	10,684	4,677	570,770	81,602	5,442,728	733,556	4,744	115	75	290	2,016	2,249			
500	6,092	1,444	112	30,297	2,171	52,502	20,034	52,502	20,034	33	.....	.....	83	48	
421,064	180,260	2,700,648	9,032	13,151	762,674	3,646,558	205,147	9,735,762	5,884,057	4,866	225	59	395	4,187	49		
48,110	9,761	238,404	150	2,170	11,812	241,853	64,154	738,754	432,747	388	25	.....	363	50		
113,816	48,850	1,043,833	5,882	9,730	170,171	963,054	56,838	2,885,680	1,867,108	2,228	115	23	275	1,808	51		
259,128	121,640	1,423,411	3,000	1,251	580,691	2,441,051	88,155	6,111,348	3,584,142	2,252	110	6	120	2,016	52		
37,759	50,740	263,352	225	1,390	21,248	610,195	18,063	1,288,635	660,377	1,346	320	.....	10	1,016	53	
34,203	64,464	224,201	226	450	20,389	509,639	15,801	1,186,146	600,724	1,190	230	.....	10	950	54	
3,408	2,276	30,061	940	882	40,502	2,262	102,489	59,665	156	90	.....	66	111	55		
63,710	56,216	206,584	7,760	59,243	138,456	508,820	1,380,920	723,855	483	185	177	16	85	56			
18,142	5,655	207,902	416	8,690	20,221	1,095,377	82,477	1,752,068	874,214	858	420	68	130	240	57		
1,200	500	7,773	75	2,620	195	2,525	91	18,158	15,542	.....	.....	1	.....	1	59
.....	900	8,010	350	12	4,831	82	18,700	13,787	4	.....	.....	4	.....	60	60
65,833	6,379	209,152	1,800	2,321	2,576,482	98,137	3,358,638	634,019	1,746	1,540	.....	60	146	814	61	
753,199	348,721	9,474,557	1,813,417	81,883	449,170	10,408,543	60,913	28,515,271	18,045,815	59,811	38,547	1,742	1,317	15,191	3,014	2,024	
112,849	30,122	700,664	1,342	28,304	52,108	2,072,918	35,617	3,329,713	1,221,178	4,826	2,560	51	253	1,962	64	62	
.....	4,786	50															

MANUFACTURES—MAINE.

TABLE 33.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS, DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaries of officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.	
					Male.	Female.	Average number.	Number, 15th day of month.	Maximum month.		Male.	Female.	Male.	Female.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	Mattresses and spring beds, not elsewhere specified.	6	63	5	4	2	52	Jy 61	Ja 3 42	51	30	21		Dollars: 161,435	
2	Mineral and carbonated waters.	47	178	50	16	5	7	100	Au 145	Ja 3 69	97	93	4		
3	Minerals and earths, ground or otherwise treated.	4	85	—	9	—	—	76	My 88	Ja 3 62	62	62	—	408,030 80,483	
4	Oil, vegetable and animal.	3	15	1	5	—	2	9	Se 8 22	Ja 4 0	22	22	—	85,908	
5	Optical goods.	4	20	3	1	—	—	14	(C) 14	(E) 14	15	14	—	24,485	
6	Paper and wood pulp.	39	14,373	10	329	670	306	13,058	De 770	My 618	13,402	12,776	684	1	
7	Paper exclusively.	7	794	1	33	39	22	699	De 770	My 618	801	715	86	130,702,071	
8	Pulp exclusively.	14	1,470	9	42	33	17	1,389	Oc 1,541	Ja 1,261	1,402	1,458	4	4,802,702	
9	Paper and pulp.	18	12,109	—	254	598	267	10,990	Se 11,410	Ap 10,515	11,199	10,603	594	11,396,125	
10	Patent medicines and compounds.	19	63	17	5	4	7	30	—	—	39	17	22	114,003,244	
11	Patent and proprietary medicines.	13	55	12	5	4	6	28	No 35	Fe 3 22	34	14	20	227,033	
12	Patent and proprietary compounds, not elsewhere specified.	6	8	5	—	—	1	2	Au 3 4	Ja 3 1	5	3	2	217,277 10,336	
13	Photo-engraving.	3	13	5	—	—	—	8	Jy 18	Ja 3 2	16	4	12		
14	Pickles, preserves, and sauces.	5	16	3	4	—	1	8	Ja 8 9	No 8 0	8	5	3	15,734	
15	Printing and publishing, book and job.	97	557	96	44	11	26	380	—	—	418	280	127	29,924	
16	Job printing.	94	540	93	44	8	23	372	De 407	Fe 362	409	276	124	971,024	
17	All other.	3	17	3	3	3	2	8	(E) 8	8	9	4	3	921,000	
18	Printing and publishing, newspapers and periodicals.	69	1,510	39	83	110	124	1,154	—	—	1,182	657	517	50,584 2,792,098	
19	Printing and publishing.	9	822	1	44	60	58	659	MR 714	Au 563	681	330	340	1,707,539	
20	Printing, publishing, and job printing.	57	684	36	37	50	66	495	Fe 508	Oc 482	498	319	176	1,082,307	
21	Publishing without printing.	3	4	2	2	—	—	—	—	—	—	—	—	2,250	
22	Saddlery and harness.	9	17	9	—	—	—	8	My 8 9	No 8 7	9	9	—	24,644	
23	Sausage, not made in slaughtering and meat-packing establishments.	9	36	5	6	3	2	20	Au 24	Ap 17	22	22	—	75,330	
24	Shipbuilding, steel.	0	4,804	5	141	101	72	4,485	Mh 5,125	Oc 3,946	4,499	4,404	20	15	
25	Shipbuilding, wooden, including boat building.	76	2,742	61	99	32	35	2,515	—	—	2,642	2,633	8	1	
26	New vessels.	33	2,256	22	82	23	24	2,105	Fe 2,907	De 1,208	2,138	2,132	6	—	
27	Small boats and repair work.	33	474	33	17	9	11	404	My 623	Oc 189	498	495	2	5,673,179	
28	Masts, spars, oars, and rigging.	5	12	6	—	—	—	6	Ja 3 7	Se 8 3	6	6	1	845,501	
29	Shirts.	11	631	12	19	24	30	546	De 603	Ja 406	606	606	6	18,485	
30	Slaughtering and meat packing.	17	156	17	8	7	1	123	De 134	Mh 116	110	110	495	1,178,043	
31	Sporting and athletic goods.	5	37	7	1	1	2	26	No 38	Ja 18	133	128	5	603,214	
32	Stoves and ranges.	4	103	1	9	15	8	163	De 187	Jy 125	189	182	34	70,235	
33	Textile machinery and parts.	10	1,871	8	59	34	38	1,732	De 1,004	Ja 1,605	1,904	1,850	54	602,688	
34	Tinware, not elsewhere specified.	8	443	3	7	32	21	380	Au 577	Ja 198	534	362	172	3,014,700	
35	Tobacco, cigars.	52	236	59	6	3	2	166	De 222	Ja 130	233	162	70	2,887,610	
36	Tools, not elsewhere specified.	10	68	9	3	1	3	50	My 57	Ja 41	54	51	3	220,089	
37	Vinegar and cider.	47	72	51	2	1	2	16	—	—	44	41	3	245,145	
38	Vinegar.	13	30	15	2	1	2	10	Oc 23	Ap 3 6	14	11	3	127,207	
39	Cider.	34	42	36	—	—	—	6	Oc 20	Ja 4 0	30	30	—	94,248	
40	Wood, turned and carved.	54	1,422	36	84	12	27	1,283	Ap 1,395	Se 1,191	1,371	1,195	176	33,019	
41	Wooden goods, not elsewhere specified.	14	524	7	25	9	7	476	Ap 565	Jy 374	546	366	170	3,674,144	
42	Woolen goods.	59	7,387	10	274	108	80	6,915	De 8,168	Fe 4,693	8,008	5,888	2,670	1, 504,972	
43	Worsted goods.	7	3,092	—	57	21	16	2,998	De 3,415	Fe 2,621	3,415	1,907	1,387	35	33,863,497
44	All other industries*.	146	5,499	92	250	321	229	2,607	—	—	—	—	—	25,945,621	

*All other industries embrace—

Agricultural implements.	Cash registers and calculating machines.	Electrical machinery, apparatus, and supplies.	Galvanizing.
Babbitt metal and solder.	Cement.	Engines, steam, gas, and water.	Cutting, staining, and ornamenting.
Bags, paper, exclusive of those made in paper mills.	Chemicals.	Engraving and distilling.	Gloves and mittens, cloth, not including gloves made in textile mills.
Beltfing, leather.	Chewing gum.	Engraving, steel and copper plate, including plate printing.	Grease and tallow, not including lubricating greases.
Billard tables and accessories.	Clothing, horse.	Envelopes.	Hammocks.
Blacking, stains, and dressings.	Condensed milk.	Fancy articles, wood novelties.	Hardware.
Bluing.	Cordials and flavoring sirups.	Felt goods.	Hats, fur-felt.
Boot and shoe cut stock.	Cutlery and edge tools, axes and hatchets.	Files.	Fur goods.
Boots and shoes, rubber.	Dental goods.	Fireworks.	Furnishing goods, men's specified.
Buttons.	Dyeing and finishing textiles, exclusive of that done in textile mills.	Fur goods.	Furs, dressed.

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MAINE.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.						POWER.						
Salaries and wages.			Rent and taxes.		For materials.		Value of products.	Primary horsepower.				
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Owned.	Rent-ed. ²		
									Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹

THE STATE.—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued

Iron and steel, steel works and rolling mills.	Mucilage, paste, and other adhesives, not elsewhere specified.	Plumbers' supplies, not elsewhere specified.	Structural ironwork, not made in steel works or rolling mills.
Iron and steel, bolts, nuts, washers and rivets, not made in rolling mills	Musical instruments and materials, not elsewhere specified.	Pocketbooks.	Surgical appliances.
Iron and steel, welding.	Musical instruments, pianos.	Pulp goods.	Toys and games.
Knit goods.	Notes and seines.	Refrigerators.	Trunks and valises.
Lapidary work.	Oilcloth and linoleum, floor.	Rules, ivory and wood.	Type founding.
Lasts.	Oilcloth, enameled.	Sand and emery paper and cloth.	Upholstering materials, excelsior.
Lime.	Paints.	Saws.	Varnishes.
Looking-glass and picture frames.	Paper goods, not elsewhere specified.	Signs and advertising novelties.	Vault lights and ventilators.
Millinery and lace goods, embroideries	Paving materials.	Silk goods.	Window and door screens.
Models and patterns, not including paper patterns.	Perfumery and cosmetics.	Springs, steel, automobile.	Wirework, not elsewhere specified.
	Plated ware, hollow ware.	Steam packing.	Wool pulling.
		Stencils and brands.	Wool shoddy.
		Stereotyping and electrotyping.	

⁸ Same number reported for one or more other months.

⁵ Same number reported throughout the year.

⁴ None reported for one or more other months.

MANUFACTURES—MAINE.

TABLE 33.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS, DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors, superintendents, and firm-members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.	
					Male.	Female.	Average number.	Number, 15th day of—	Maximum month.		Male.	Female.	Male.	Female.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

														Dollars.		
1	PORLAND—All industries.....	308	6,710	206	408	280	324	5,486	Jy 5,756	Mh 5,147	6,538	4,634	1,867	24	13	22,194,281
2	Automobile bodies and parts.....	3	37	—	4	1	4	28	An ^a 35	Fe 20	31	31	—	—	—	15,341
3	Automobile repairing.....	18	133	10	10	3	15	95	Je 108	De 84	94	93	1	—	—	202,461
4	Awnings, tents, and sails.....	3	15	3	1	2	—	9	No 11	Ap ^b 8	9	8	1	—	—	40,073
5	Bookbinding and blank-book making.....	5	48	6	2	—	1	39	De 42	Ja ^b 37	42	20	21	1	—	45,801
6	Boxes, paper and other, not elsewhere specified.....	3	135	—	7	—	2	126	De 145	Ja 111	146	23	121	2	—	126,108
7	Bread and other bakery products.....	36	307	36	13	25	9	224	An ^a 236	Ja 201	236	160	72	1	3	530,378
8	Canning and preserving, fish.....	8	315	1	21	1	11	281	Je 388	Oc 215	318	175	143	—	—	1,592,253
9	Confectionery and ice cream.....	18	203	14	21	9	17	142	—	—	162	82	80	—	—	630,591
10	Confectionery.....	15	151	14	13	3	11	110	Oc 146	Jy 85	182	54	78	—	—	348,956
11	Ice cream.....	3	52	—	8	6	6	32	Jy 45	Fe 19	30	28	2	—	—	281,505
12	Copper, tin, and sheet-iron work.....	11	70	16	4	1	5	44	Se ^a 52	Ja 34	53	52	—	1	—	71,166
13	Flavoring extracts.....	7	44	2	6	1	5	30	Au 39	Ja 25	34	9	24	1	—	264,222
14	Flour-mill and gristmill products.....	5	17	2	4	2	1	8	(^c) 8	(^c) 8	8	8	8	—	—	243,905
15	Food preparations, not elsewhere specified.....	3	6	2	—	—	—	4	Je ^b 5	Ja ^b 3	4	2	1	1	—	4,130
16	Foundry and machine-shop products.....	18	871	15	46	37	36	737	Ja 803	De 510	710	706	3	1	—	3,006,169
17	Liquors, malt.....	3	5	3	—	—	—	2	Ap ^b 3	Og ^b 1	3	3	—	—	—	10,142
18	Lumber, planing-mill products, not including planing mills connected with sawmills.....	6	378	—	15	13	8	340	Jy 423	Mh 181	330	318	15	1	1	1,113,963
19	Marble and stone work.....	6	32	4	1	—	1	26	Jy ^b 30	Ja 17	26	26	—	—	—	43,917
20	Mineral and carbonated waters.....	4	42	2	4	1	3	32	Au 46	Ja 23	25	24	1	—	—	82,727
21	Patent and proprietary medicines.....	3	18	6	—	—	—	12	Ap 14	De 10	12	6	—	—	—	14,977
22	Printing and publishing, book and job.....	29	237	25	26	10	19	207	—	—	222	153	64	5	—	418,302
23	Job printing.....	26	270	22	26	7	16	199	De 214	Fg ^b 103	213	149	61	3	—	387,738
24	All other.....	3	17	3	—	3	3	8	(^c) 8	(^c) 8	9	4	3	2	—	50,564
25	Printing and publishing, newspapers and periodicals.....	3	233	1	19	46	39	127	Se ^a 131	Fe ^b 121	130	96	33	1	—	510,008
26	Tobacco, cigars.....	5	24	6	—	—	—	18	De 42	Mh 7	42	32	10	—	—	35,316
27	All other industries *.....	111	3,493	52	204	134	148	2,955	—	—	3,901	2,612	1,271	11	7	13,202,121

^aAll other industries embrace—

Artificial stone products.....

Buttons.....

Canning and preserving, vegetables.....

Carpets, rag.....

Carriage and wagon materials.....

Carriages and wagons, including repairs.....

Cars and general shop construction and repairs by electric-railroad companies.....

Cars and general shop construction and repairs by steam-railroad companies.....

Coffins, burial cases, and undertakers' goods.....

Cooperage.....

Cordials and flavoring syrups.....

Druggists' preparations.....

Electrical machinery, apparatus, and supplies.....

Engines, steam, gas, and water.....

Engraving and die-striking.....

Engraving, steel and copper plate, including plate printing.....

Fur goods.....

Furniture.....

Gas, illuminating and heating.....

Glass, cutting, staining, and ornamenting.....

Grease and tallow, soap stock.....

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	AUBURN.....	74	6,658	58	223	184	343	5,850	De 7,248	Jy 4,691	7,284	4,055	2,805	4	—	16,143,506
2	AUGUSTA.....	44	2,552	47	74	31	67	2,343	De 2,486	Ap 2,188	2,099	1,761	915	24	9	7,715,103
3	BANGOR.....	106	1,455	82	82	79	59	1,533	No 1,233	Ja 1,067	1,293	1,020	272	1	—	6,389,681
4	BATH.....	38	5,752	32	183	116	109	5,312	Mh 6,025	Og 4,685	5,403	5,206	87	10	1	12,692,906
5	BIDDEFORD.....	49	4,694	44	72	56	53	4,469	De 5,501	Mh 1,788	5,512	3,934	1,502	8	8	18,714,009
6	LEWISTON.....	109	6,987	91	113	108	100	6,566	De 7,125	Mh 5,858	7,126	3,744	3,361	11	10	25,884,662
7	WATERVILLE.....	49	2,609	36	63	50	28	2,432	De 2,577	Ja 2,350	2,730	1,784	912	24	10	10,320,144

^bIncludes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).^cChiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MAINE.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value added by manufacture.	POWER.					
Salaries and wages.			Rent and taxes.		For materials.				Primary horsepower.				Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power.	
9,770	1,702	56,110		1,632	1,328	72,068	1,841	176,362	102,443	28				28

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 1,285,701	Dollars. 557,953	Dollars. 6,008,907	Dollars. 59,213	Dollars. 202,240	Dollars. 921,353	Dollars. 14,888,938	Dollars. 701,505	Dollars. 29,167,965	Dollars. 13,577,522	11,529	4,004	205	21	7,299	1,875	1	
6,248	1,774	32,179		3,098	182	19,203	1,311	68,347	47,828	44				44		2	
17,291	14,339	116,005		11,335	3,465	110,229	6,241	302,922	186,452	75			2	73		3	
1,348	588	13,808		1,020	243	24,434	388	61,425	36,603	5				5		4	
4,662	600	26,977	103	2,075	148	70,033	445	112,569	41,191	15				15		5	
9,770	1,702	56,110		1,632	1,328	72,068	1,841	176,362	102,443	28				28		6	
39,725	23,107	327,693		11,749	17,466	1,241,855	27,284	1,825,359	556,220	113				113		7	
89,666	18,061	246,463		8,028	37,027	1,478,642	20,051	2,047,731	549,008	546	204	130		212		8	
50,380	13,333	128,830		23,291	51,767	604,946	13,255	1,026,082	407,881	296	50			246		9	
23,135	7,593	82,359		11,250	27,859	238,814	8,451	406,484	219,219	150	50			100		10	
27,245	5,770	46,471		12,041	23,008	366,132	4,804	559,508	188,662	146				146		11	
7,844	2,858	69,436	280	3,269	745	47,649	830	159,861	111,382	3				3		12	
32,200	5,419	20,849		1,142	42,499	311,863	907	581,916	269,156	10				10		13	
8,125	1,900	9,436		4,824	2,171	458,752	3,663	521,002	58,587	220				220		14	
		2,825		1,324	85	12,838	752	20,448	6,828	7				7		15	
190,450	70,206	1,026,050	6,032	8,040	180,352	1,781,638	59,440	4,195,381	2,354,246	2,246	100			2,140		16	
		1,800		320	2,231	1,541	128	573,909	15,306	1,721	1,320			401	91	17	
50,857	23,482	330,309		16,451	13,957			1,095,464	500,249							18	
2,600	1,000	37,203		2,220	691	32,675	2,101	100,506	65,730	51				51		19	
4,086	2,939	27,118	14,370	3,534	8,778	197,562	5,350	278,001	75,170	38				38		20	
		7,718		1,000	556	31,603	106	56,980	25,181	2				2		21	
48,701	20,000	201,333	14,637	14,451	9,984	224,784	7,078	681,484	443,722	286				286		22	
48,701	18,709	191,563	8,822	13,792	3,781	214,621	7,478	634,742	412,643	284				284		23	
		8,101		659	153	10,163	500	46,742	30,079	2				2		24	
49,563	65,178	130,229		12,386	3,896	272,562	16,993	746,533	450,978	322	260			62	205	25	
		21,325		1,042	8,503	40,848	318	76,389	35,223	2				2		26	
671,276	281,107	3,170,126	23,701	69,407	532,320	7,278,270	516,739	15,027,428	7,232,419	5,499	2,070	75	19		3,335	1,579	27

Hair work.....	2	Models and patterns, not including paper patterns.....	1	Sausage, not made in slaughtering and meat-packing establishments.....	1	Stoves and ranges.....	1
Hand stamps.....	1	Musical instruments and materials, not elsewhere specified.....	1	Saws.....	1	Structural ironwork, not made in steel works or rolling mills.....	1
Hardware, locks.....	1	Oils, animal.....	1	Shipbuilding, steel, repair work.....	1	Tinware, not elsewhere specified.....	3
Hats, fur-felt.....	1	Optical goods.....	1	Shipbuilding, wooden, including boat building.....	2	Toys and games.....	1
House-furnishing goods, not elsewhere specified.....	2	Paints.....	1	Shirts.....	1	Trunks and valises.....	1
Ice, manufactured.....	2	Perfumery and cosmetics.....	4	Signs and advertising novelties.....	2	Varnishes.....	1
Iron and steel, welding.....	1	Photo-engraving.....	1	Slaughtering and meat packing.....	1	Vinegar.....	1
Jewelry.....	1	Pickles and sauces.....	1	Steam packing.....	1	Wooden goods, not elsewhere specified.....	2
Leather, tanned, curried and finished.....	1	Plated ware, hollow ware.....	1				
Looking-glass and picture frames.....	1	Pocketbooks	1				
Mattresses and spring beds, not elsewhere specified.....	4						

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

713,375	733,801	5,249,974	4,848	25,451	1,069,989	15,450,584	147,224	27,852,043	12,245,235	5,335	944	31	15	800	3,545	5	1
277,773	198,731	2,017,777	804	281,895	182,086	6,408,024	158,334	11,980,239	5,352,081	8,193	750		25	6,160	1,283	700	2
205,174	134,070	1,074,093	2,202	41,356	125,415	3,100,751	125,710	5,544,940	2,258,479	2,819	1,418		217	1,159	126	3	
761,913	342,342	7,504,941	47,244	15,918	787,188	6,894,861	244,370	19,377,323	12,238,086	6,436	730			5,706	75	4	
235,161	126,049	4,709,699	488,081	13,854	1,147,166	10,763,699	288,201	20,634,401	9,582,501	28,671	7,295	11,125	38	7,463	2,750	7,826	5
435,844	231,923	6,437,434	102,814	41,937	1,872,043	10,163,314	433,339	23,762,387	13,116,737	25,450	3,099	100		19,349	2,302	4,723	6
274,360	200,342	2,350,408	2,763	5,618	231,847	5,238,616	211,319	9,960,528	4,521,693	9,075	153			6,200	2,722	1,370	7

³ Same number reported for one or more other months.⁴ Excludes Sanford, to avoid disclosure of individual operations.

MARYLAND.

GENERAL STATISTICS.

General character of the state.—Maryland has a gross area of 12,327 square miles, of which 9,941 represent land surface. The inhabitants of the state in 1900 numbered 1,188,044; in 1910, 1,295,346; and in 1920, 1,449,661. The number of inhabitants per square mile in 1910 was 130.3, the corresponding figure for 1920 being 145.8.

In 1920 there were five cities in the state—Annapolis, Baltimore, Cumberland, Frederick, and Hagerstown—having more than 10,000 inhabitants. The combined population of these five cities in that year was 814,007, which formed 56.2 per cent of the total for Maryland, and in 1919 these cities reported 82.3 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The large increases in salaries and wages, cost of materials, and value of products, from 1914 to 1919, as presented in Table 1, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. The increases shown, however, in the number of wage earners and horsepower are indicative of a decided growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those of prior censuses. Although Baltimore is an independent city and not a part of any county, it is included in this table in order to show the complete statistics for the state. This city alone reported 69.7 per cent of the average number of wage earners, and 77.6 per cent of the total value of products for the state.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. Their ranking in many instances would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex, for 1919, was reported separately, but for 1914 and 1909 was

obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 32.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 1,000 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—General increases are shown from 1914 to 1919 in practically all of the details for the cities included in this table. Statistics for Annapolis were not shown separately until 1919 and, therefore comparative figures are not available.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months for selected industries, similar data are given for males and females for all industries combined, for the state and for cities of 10,000 inhabitants or more. This table also includes selected industries showing a large proportion of female wage earners. The five cities combined reported 76.2 per cent of all wage earners employed during 1919.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Maryland. In that year 13.1 per cent of the wage earners were included in the group "48 and under," as against 49.6 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 34.2 per cent of the total wage earners, as compared with 8.8 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 95.3 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed 32.8 per cent of the total number of wage earners. On the other hand, the establishments employing an average of

MANUFACTURES—MARYLAND.

more than 100 wage earners represented only 4.7 per cent of the total number of manufacturing establishments in the state, but reported 67.2 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914 establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. This table, therefore, gives combined figures for these two groups for all items for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of the industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments of itself is no real index of manufacturing activities.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table. Although corporations owned but 24.5 per cent of the number of establishments in the state in 1919, they reported 79 per cent of the average number of wage earners and 80.9 per cent of the total value of products. During the five-year period 1914 to 1919 the average number of wage earners in corporations increased 42,476, or 62.1 per cent, and the value of products, \$442,550,892, or 167.1 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the five cities in 1919 represented 62.6 per cent of the total in the state. They reported in that year 76.2 per cent of the average number of wage earners and 82.3 per cent of the total value of products.

Principal industries in the city of Baltimore, with per cent of total for state (Table 16).—This table includes all industries in Baltimore city having products of \$1,000,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914 and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. There was a decided increase in the quantities of each of the several kinds of fuel used in 1919, as compared with 1914, except in anthracite coal, which decreased 48.9 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table shows that the combined number of establishments in the five cities in 1919 represented 62.6 per cent of the total in the state. They reported in that year 76.2 per cent of the average number of wage earners and 82.3 per cent of the total value of products.

Principal industries in the city of Baltimore, with per cent of total for state (Table 16).—This table includes all industries in Baltimore city having products of \$1,000,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present the statistics of the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing it sometimes happens that quite important industries can not be shown in the city, since to do so might disclose the operations of establishments located outside by the simple deductions of the totals shown for the industry in the city from those given in the detailed state table.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 143,015 horsepower, or 54.2 per cent. This increase, however, is chiefly due to the gain of 111,365 horsepower, or 254.3 per cent, in rented power. The owned power increased 31,650 horsepower, or 14.4 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914 and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel. There was a decided increase in the quantities of each of the several kinds of fuel used in 1919, as compared with 1914, except in anthracite coal, which decreased 48.9 per cent.

MANUFACTURES—MARYLAND.

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TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	4,937	4,797	4,837	3,852	3,886	2.9	-0.8	25.6	-0.9
Persons engaged.....	165,875	131,391	125,489	107,303	(2)	26.2	4.7	16.9	.....
Proprietors and firm members.....	5,129	5,005	5,376	4,505	(2)	2.5	-6.9	19.3	.....
Salaried employees.....	20,404	14,801	12,192	8,024	6,741	37.9	21.4	41.4	27.9
Wage earners (average number).....	140,342	111,585	107,921	94,174	94,170	25.8	3.4	14.6	(2)
Primary horsepower.....	406,768	263,753	218,244	165,449	132,052	54.2	20.8	31.9	25.3
Capital.....	\$619,606,983	\$293,210,925	\$251,226,828	\$201,877,906	\$149,155,313	111.3	16.7	24.4	35.3
Salaries and wages.....	180,370,552	71,801,109	59,052,718	44,988,240	39,259,517	164.4	21.6	31.3	14.6
Salaries.....	42,004,007	18,008,770	13,616,889	8,848,936	6,845,088	133.2	32.2	54.0	29.2
Wages.....	147,366,545	53,792,339	46,435,829	36,144,244	32,414,429	174.0	18.4	25.7	11.5
Paid for contract work.....	8,150,474	3,223,268	3,278,207	2,543,602	(2)	152.9	-1.7	28.9	.....
Rent and taxes.....	24,002,017	11,476,901	8,783,915	4,203,089	(2)	100.1	30.7	.....	.....
Cost of materials.....	549,347,379	238,971,973	199,048,905	150,024,066	129,354,412	129.9	20.1	32.7	18.0
Value of products.....	873,944,774	377,749,978	313,869,150	243,375,998	211,076,143	131.4	19.7	29.7	15.3
Value added by manufacture ⁶	324,397,395	138,777,105	110,620,245	93,851,930	81,721,731	133.0	19.0	24.0	14.2

¹ A minus sign (—) denotes decrease.² Figures not available.³ Less than one-tenth of 1 per cent.⁴ Exclusive of internal revenue.⁵ Value of products less cost of materials.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establish-ments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manu-facture.	Primary horse-power.
		Average number.	Wages.					
The state.....	4,937	140,342	\$147,866,545	\$24,002,017	\$549,347,379	\$873,044,774	\$324,397,395	406,768
Allegany.....	144	5,990	7,228,503	563,523	14,073,886	25,512,139	11,438,253	30,013
Anne Arundel.....	53	1,863	2,070,996	128,052	3,577,061	6,945,472	3,368,411	6,560
Baltimore.....	117	13,391	18,328,771	748,843	38,701,507	62,805,555	24,104,048	109,886
Baltimore City.....	2,797	97,814	103,129,096	21,025,144	427,755,504	677,878,402	250,122,688	184,885
Calvert.....	17	222	256,665	17,423	361,971	736,617	377,646	320
Caroline.....	110	789	342,138	20,948	2,044,382	2,644,388	800,004	2,660
Carroll.....	135	1,418	1,395,907	206,379	6,820,143	9,020,336	3,100,193	6,541
Cecil.....	87	1,281	1,354,322	96,905	4,315,116	6,715,704	2,400,648	5,656
Charles.....	29	116	72,506	1,875	182,998	314,612	131,616	553
Dorchester.....	116	1,530	606,950	59,308	3,057,988	5,449,236	1,491,248	3,201
Frederick.....	193	2,723	2,385,116	190,713	9,189,866	14,042,972	4,853,106	8,268
Garrett.....	58	305	298,961	23,805	555,672	1,266,707	711,095	2,138
Harford.....	167	1,085	699,264	73,099	2,257,958	3,693,374	1,435,416	4,891
Howard.....	20	782	667,580	204,994	6,039,274	8,315,802	2,276,528	5,051
Kent.....	45	294	147,047	18,110	807,542	1,234,439	366,897	1,548
Montgomery.....	66	174	185,336	10,092	1,024,448	1,432,354	407,906	1,739
Prince Georges.....	67	204	449,037	10,818	640,515	1,105,412	464,897	746
Queen Anne's.....	44	345	169,063	9,724	703,751	1,156,655	462,004	1,102
St. Marys.....	45	125	62,854	2,011	225,616	366,685	141,069	797
Somerset.....	98	936	441,540	18,401	1,787,670	2,494,320	706,650	3,828
Talbot.....	91	964	487,843	60,707	1,904,659	3,047,645	1,142,986	2,927
Washington.....	191	5,090	5,027,208	394,208	15,677,719	25,860,361	10,188,642	16,871
Wicomico.....	143	2,044	1,465,037	87,331	5,011,582	8,314,282	3,302,680	6,308
Worcester.....	104	707	504,725	25,355	1,070,253	2,622,117	951,884	3,269

¹ An independent city, included to complete the statistics for the state.

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TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen-sus year.	Wage earners (aver-age number).	PER CENT OF TOTAL.			INDUSTRY.	Cen-sus year.	Wage earners (aver-age number).	PER CENT OF TOTAL.		
			16 years of age and over.		Under 16 years of age.				16 years of age and over.		Under 16 years of age.
			Male.	Female.					Male.	Female.	
All industries.....	1919	140,342	74.0	24.5	1.5	Glass.....	1919	1,755	83.3	14.5	2.2
	1914	111,585	68.3	28.4	3.3		1914	1,184	81.3	6.8	11.8
	1909	107,921	67.1	26.8	6.1	Hats, straw.....	1919	1,385	35.8	63.1	1.1
							1914	2,173	37.0	58.0	4.9
Automobile repairing.....	1919	1,101	99.5	0.3	0.3	Iron and steel, steel works and rolling mills ^a	1919	4,944	98.4	1.6	.....
	1914	95	98.9		1.1	Lumber and timber products.....	1919	1,844	99.2	0.1	0.7
Boxes, paper and other, not elsewhere specified.....	1919	1,898	48.8	41.5	9.6		1914	2,616	99.9	.....	0.1
	1914	905	38.7	52.3	9.1	Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,179	95.2	4.0	0.8
Boxes, wooden packing, except cigar boxes.....	1919	1,972	84.7	10.9	4.5		1914	1,517	98.4	.....	1.6
	1914	1,883	90.3	3.7	6.1	Paper and wood pulp.....	1919	1,408	93.3	6.7	.....
Bread and other bakery products.....	1919	2,381	75.2	24.2	0.6		1914	1,588	90.5	9.3	0.1
	1914	2,038	84.0	12.9	3.2	Printing and publishing, book and job.....	1919	2,243	77.6	20.6	1.8
Brick and tile, terra-cotta, and fire-clay products.....	1919	1,207	97.8	.....	2.2		1914	2,284	83.1	14.9	2.0
	1914	1,721	98.5		1.5	Printing and publishing, newspapers and periodicals.....	1919	1,397	90.5	7.7	1.9
Canning and preserving, fruits and vegetables.....	1919	7,645	39.0	59.3	1.7		1914	1,136	89.0	7.5	3.5
	1914	8,354	34.2	59.4	6.4	Shipbuilding, steel.....	1919	17,212	100.0	(*)	.....
Cars and general shop construction and repairs by steam-railroad companies.....	1919	8,303	98.0	2.0	.....	1914	2,039	99.4	0.3	0.3	
	1914	5,989	99.5	0.4	0.1	Shipbuilding, wooden, including boatbuilding.....	1919	1,872	99.8	.....	0.2
Clothing, men's.....	1919	9,256	53.2	45.5	1.4		1914	429	99.8	.....	0.2
	1914	12,909	47.0	50.3	2.6	Shirts.....	1919	2,486	12.1	85.4	2.5
Clothing, women's.....	1919	2,822	19.5	70.8	0.7		1914	5,153	16.1	79.9	4.0
	1914	3,026	26.1	73.0	0.9	Slaughtering and meat packing.....	1919	1,563	88.4	11.2	0.4
Confectionery and ice cream ^b	1919	3,008	40.7	56.8	2.5		1914	1,221	99.1	0.6	0.3
	1914	1,707	46.4	44.5	9.1	Stamping and enameled ware, not elsewhere specified.....	1919	3,486	79.2	17.4	3.4
Cotton goods.....	1919	3,416	50.1	48.7	1.2		1914	4,155	72.0	17.9	10.1
	1914	3,424	50.1	43.0	6.9	Tinware, not elsewhere specified.....	1919	4,233	65.8	30.8	3.5
Fertilizers.....	1919	3,102	98.6	1.4	.....		1914	3,072	80.3	15.8	3.9
	1914	1,991	99.5	0.5	.....	Tobacco, cigars and cigarettes.....	1919	2,548	25.9	74.1	.....
Foundry and machine-shop products ^c	1919	4,138	94.6	5.3	0.1		1914	3,212	32.7	66.6	0.7
	1914	2,668	99.6	0.2	0.2	All other industries.....	1919	34,758	79.3	18.6	2.0
Furnishing goods, men's.....	1919	4,075	10.2	84.1	5.6		1914	30,559	80.5	16.8	3.0
	1914	561	19.4	75.6	5.0						
Furniture.....	1919	1,645	94.5	3.5	1.9						
	1914	1,998	98.9	0.6	0.6						

^a Includes "chewing gum" in 1914.^b Includes "iron and steel, welding."^c Not shown separately in 1914.^d Less than one-tenth of 1 per cent.

TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years of age.					
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
	95			78			16			1			\$369,114		
Annapolis.....	95			68,906	45,503	44,258	27,287	25,733	22,875	1,641	2,533	4,311	677,878,492	\$215,171,530	\$186,977,710
Baltimore.....	97,814	73,769	71,444	3,181	2,416	1,578	498	278	225	74	123	133	15,842,210	7,112,609	4,534,077
Cumberland.....	3,753	2,817	1,036	1,025	854	762	281	278	166	2	14	98	7,141,204	3,147,237	2,910,943
Frederick.....	1,308	1,146	1,026	8,149	2,737	978	814	754	625	68	83	115	17,602,575	7,412,397	3,197,242
Hagerstown.....	4,029	3,574	1,718												

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TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER, ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER, ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	140,053	106,837	<i>95,070</i>	87.2	79.5	71.3	July.....	137,456	107,202	105,116	85.0	79.7	78.9
February.....	135,797	106,899	<i>97,225</i>	84.6	79.5	73.0	August.....	144,217	123,844	124,505	89.8	92.1	93.4
March.....	131,774	108,456	<i>99,541</i>	82.1	80.7	74.7	September.....	160,313	134,437	133,268	99.8	100.0	100.0
April.....	129,128	110,167	<i>100,753</i>	80.4	81.9	75.6	October.....	160,567	118,633	118,475	100.0	88.2	88.9
May.....	130,161	110,968	<i>103,000</i>	81.1	82.5	77.3	November.....	141,261	101,335	106,932	88.0	75.4	80.2
June.....	133,609	110,870	<i>105,652</i>	83.2	82.5	79.3	December.....	139,768	<i>99,363</i>	105,514	87.0	73.9	79.2

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by bold-faced figures, minimum by italic figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by italic figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.											Percent minimum is of maximum.	
		Janu-	Febru-	March	April	May	June	July	August	Septem-	Octo-	Novem-		
ary	ary									ber	ber	ber	De-	
All industries.....	140,342	140,053	135,797	131,774	129,128	130,161	133,609	137,456	144,217	160,313	160,567	141,261	139,768	80.4
Males.....	104,977	107,870	104,116	101,505	99,263	100,879	101,929	104,280	109,517	112,313	108,494	105,622	104,876	88.4
Females.....	35,365	32,183	<i>31,681</i>	<i>30,209</i>	<i>29,805</i>	30,282	31,680	<i>33,176</i>	34,700	48,000	52,073	35,039	34,892	57.4
Automobile repairing.....	1,101	995	1,020	1,029	1,050	1,067	1,075	1,151	1,136	1,148	1,171	1,190	1,201	82.8
Boxes, paper and other, not elsewhere specified.....	1,898	2,070	1,649	1,672	1,581	1,619	1,639	1,620	1,814	2,279	2,458	2,334	2,141	62.6
Boxes, wooden packing, except cigar boxes.....	1,972	2,037	1,929	1,897	1,961	2,012	1,906	2,187	2,056	1,882	1,886	1,889	1,982	86.3
Bread and other bakery products.....	2,381	2,240	2,288	2,230	2,286	2,307	2,366	2,396	2,388	2,506	2,531	2,530	2,647	87.9
Brick and tile, terra-cotta, and fire-clay products.....	1,207	943	981	978	1,034	1,270	1,275	1,275	1,400	1,370	1,383	1,343	1,232	67.4
Canning and preserving, fruits and vegetables.....	7,645	1,580	1,420	1,590	2,010	2,841	5,672	5,390	13,333	26,827	25,519	5,765	1,053	5.1
Cars and general shop construction and repairs by steam-railroad companies.....	8,363	8,667	8,803	8,154	8,169	8,132	7,989	8,247	8,384	8,393	8,519	8,515	8,404	90.5
Clothing, men's.....	9,256	8,940	8,668	8,582	8,619	8,762	9,117	9,295	9,597	9,895	10,207	10,881	78.2	
Clothing, women's.....	2,822	2,445	2,492	2,026	2,628	2,027	2,882	2,895	8,020	3,114	3,106	3,031	3,048	78.5
Confectionery and ice cream.....	3,008	2,656	2,748	2,877	2,888	2,896	2,565	2,588	2,608	3,330	3,404	3,770	3,727	67.9
Cotton goods.....	3,416	3,579	3,621	3,449	3,363	3,332	3,910	3,379	3,388	3,408	3,370	3,357	3,436	91.4
Fertilizers.....	3,102	3,032	3,176	3,701	3,647	3,243	2,924	2,817	3,097	3,218	3,283	2,968	2,848	72.1
Foundry and machine-shop products.....	4,081	4,984	3,904	3,915	3,928	3,956	3,832	4,029	3,953	3,915	3,933	4,153	4,310	70.9
Furnishing goods, men's.....	4,075	4,196	4,190	4,146	4,074	4,068	4,083	3,980	3,975	3,925	4,019	4,004	4,242	92.5
Furniture.....	1,645	1,463	1,455	1,527	1,582	1,695	1,617	1,655	1,684	1,686	1,799	1,834	1,853	78.4
Glass.....	1,755	1,609	1,656	1,713	1,866	1,784	1,875	1,749	1,252	1,533	1,878	1,943	1,902	64.4
Hats, straw.....	1,385	1,312	1,370	1,400	1,439	1,451	1,423	1,286	1,274	1,450	1,358	1,418	1,429	84.7
Iron and steel, steel works and rolling mills.....	4,944	5,584	5,725	5,253	4,283	4,021	4,236	4,788	4,813	5,225	5,266	5,243	5,214	70.2
Lumber and timber products.....	1,844	1,702	1,715	1,882	1,804	1,704	1,563	1,481	1,504	2,008	2,451	2,714	2,714	53.4
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1,179	1,050	1,063	1,075	1,113	1,160	1,222	1,202	1,225	1,255	1,255	1,270	1,258	82.7
Paper and wood pulp.....	1,408	1,580	626	982	1,363	1,402	1,588	1,625	1,716	1,807	1,788	1,730	1,441	34.5
Printing and publishing, book and job.....	2,243	2,221	2,191	2,202	2,183	2,183	2,183	2,249	2,201	2,278	2,351	2,411	2,411	90.5
Printing and publishing, newspapers and periodicals.....	1,397	1,561	1,384	1,378	1,386	1,390	1,305	1,405	1,402	1,409	1,415	1,417	1,422	95.7
Shipbuilding, steel.....	17,210	16,800	17,315	17,975	18,178	17,714	17,545	18,104	17,187	16,413	16,668	17,347	16,358	88.7
Shipbuilding, wooden, including boat building.....	1,872	2,610	2,503	2,457	1,873	1,732	1,682	1,574	1,499	1,519	1,598	1,529	1,743	57.4
Shirts.....	2,498	1,969	1,956	2,006	1,883	1,885	1,885	2,281	2,342	2,835	3,155	3,298	3,357	55.6
Slaughterhouse and meat packing.....	1,563	1,497	1,462	1,475	1,507	1,507	1,518	1,545	1,575	1,584	1,670	1,703	1,735	84.3
Stamped and enameled ware, not elsewhere specified.....	3,486	2,933	3,201	3,567	3,431	3,308	3,278	3,337	3,473	3,866	3,733	3,871	4,004	73.3
Tinware, not elsewhere specified.....	4,233	3,546	3,706	3,607	3,819	4,104	4,783	5,306	5,355	4,790	4,094	3,804	3,732	65.2
Tobacco, cigars and cigarettes.....	2,548	2,760	2,855	2,653	2,670	2,288	2,100	2,028	2,364	2,558	2,626	2,774	2,827	73.3
All other industries.....	34,815	41,907	38,500	38,970	32,025	32,030	33,662	34,401	34,053	33,952	33,793	34,402	34,089	76.4
<i>Industries showing large proportions of females.</i>														
Boxes, paper and other, not elsewhere specified.....	890	948	788	847	791	804	729	756	806	1,081	1,072	1,085	973	67.2
Bread and other bakery products.....	579	570	567	559	552	549	581	585	585	607	602	595	596	90.4
Canning and preserving, fruits and vegetables.....	4,598	600	606	800	1,037	1,742	2,967	3,449	4,307	16,383	19,875	2,338	1,022	3.0
Clothing, men's.....	4,308	4,055	3,947	3,904	3,889	3,937	4,058	4,230	4,326	4,643	4,714	4,887	5,211	74.6
Clothing, women's.....	2,270	2,009	2,029	2,095	2,104	2,082	2,273	2,287	2,365	2,460	2,487	2,498	2,551	78.8
Confectionery and ice cream.....	1,763	1,569	1,630	1,709	1,671	1,034	1,326	1,512	1,432	1,916	2,057	2,454	2,446	53.5
Cotton goods.....	1,680	1,833	1,830	1,059	1,602	1,622	1,610	1,057	1,646	1,066	1,042	1,036	1,067	87.8
Furnishing goods, men's.....	3,629	3,740	3,748	3,665	3,646	3,641	3,536	3,493	3,455	3,549	3,536	3,703	3,703	91.5
Hats, straw.....	888	851	898	944	944	913	743	766	916	866	920	920	77.1	77.1
Shirts.....	2,166	1,748	1,742	1,788	1,679	1,678	1,688	2,404	2,437	2,414	2,715	2,846	2,888	57.2
Stamped and enameled ware, not elsewhere specified.....	689	672	693	816	740	663	608	647	603	718	694	706	70.1	70.1
Tinware, not elsewhere specified.....	1,333	1,106	1,147	1,139	1,152	1,284	1,576	1,727	1,001	1,632	1,340	1,227	1,104	63.9
Tobacco, cigars and cigarettes.....	1,888	2,083	2,167	1,999	2,007	1,657	1,490	1,493	1,746	1,885	1,945	2,074	2,110	65.8
Total for cities.....	106,990	113,353	108,770	104,212	101,474	102,388	103,310	106,845	107,620	110,127	108,176	108,601	108,112	89.5
Males.....	77,229	83,839	79,651	76,518	74,293	74,713	75,352	77,506	76,051	77,512	77,325	77,104	76,704	88.6
Females.....	29,770	29,514	29,119	27,604	27,187	27,075	27,058	29,249	31,509	32,615	31,851	31,407	31,408	83.3
ANNAPOLIS.....	95	77	80	80	82	84	97	88	117	120	114	80	78	61.6
Males.....	79	69	72	72	99	76	89	70	90	84	78	71	69	69.7
Females.....	16	8	8	8	26	8	8	9	27	36	36	9	9	22.2
BALTIMORE.....	97,814	104,473	100,338	95,769	92,846	93,845	94,539	97,505	97,565	99,903	99,304	99,023	98,478	88.9
Males.....	69,703	76,569 </td												

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TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
All industries.....	1919	140,342	36,569	5,868	27,201	25,444	9,648	23,321	10,398	1,893
	1914	111,585	(2)	(2)	14,583	20,508	18,238	20,142	29,942	8,172
	1909	107,921	(2)	(2)	6,166	13,229	16,274	21,601	41,574	9,077
Automobile repairing.....	1919	1,101	22	12	234	152	497	19	156	9
	1914	95	(2)	(2)	33	—	31	3	28	—
Boxes, paper and other, not elsewhere specified.....	1919	1,898	29	16	387	1,437	16	13	—	—
	1914	905	—	—	—	91	188	279	347	—
Boxes, wooden packing, except cigar boxes.....	1919	1,972	53	17	129	76	572	1,113	12	—
	1914	1,883	—	—	—	—	145	919	819	—
Bread and other bakery products.....	1919	2,381	38	286	454	561	786	56	163	37
	1914	2,038	(2)	(2)	103	19	226	55	1,327	298
Brick and tile, terra-cotta, and fire-clay products.....	1919	1,207	51	—	432	28	40	149	507	—
	1914	1,721	(2)	(2)	408	167	158	196	792	—
Canning and preserving, fruits and vegetables.....	1919	7,645	1,084	110	626	692	376	1,602	3,022	133
	1914	8,354	(2)	(2)	1,354	272	131	517	5,489	591
Cars and general shop construction and repairs by steam-railroad companies.....	1919	8,363	(2)	(2)	3,653	—	14	4,696	—	—
	1914	5,069	(2)	(2)	2,499	—	527	102	404	2,437
Clothing, men's.....	1919	9,256	7,273	805	632	428	42	76	—	—
	1914	12,609	(2)	(2)	1,168	5,878	5,024	508	209	122
Clothing, women's.....	1919	2,822	1,112	206	412	1,030	2	—	—	—
	1914	3,026	(2)	(2)	611	1,804	307	154	—	—
Confectionery and ice cream ²	1919	3,008	69	10	92	1,154	411	776	247	249
	1914	1,707	(2)	(2)	81	105	147	432	847	95
Cotton goods.....	1919	3,416	—	325	2,183	80	352	476	—	—
	1914	3,424	—	—	—	—	—	820	2,604	—
Fertilizers.....	1919	3,102	21	—	42	28	635	1,130	1,246	—
	1914	1,991	(2)	(2)	73	40	109	121	1,633	16
Foundry and machine-shop products ⁴	1919	4,138	484	495	1,635	590	624	236	134	—
	1914	2,668	(2)	(2)	605	462	669	455	416	—
Furnishing goods, men's.....	1919	4,075	45	1,322	652	2,056	—	—	—	—
	1914	561	(2)	(2)	201	300	—	—	—	—
Furniture.....	1919	1,045	67	41	82	407	156	659	233	—
	1914	1,998	(2)	(2)	26	180	607	702	393	—
Glass.....	1919	1,755	91	91	933	216	424	—	—	—
	1914	1,184	(2)	(2)	140	937	107	—	—	—
Hats, straw.....	1919	1,385	8	105	60	998	219	—	—	—
	1914	2,173	—	—	—	—	—	1,642	531	—
Iron and steel, steel works and rolling mills ⁵	1919	4,044	3,896	34	—	—	—	233	731	—
Lumber and timber products.....	1919	1,844	113	208	73	347	53	312	738	—
	1914	2,616	(2)	(2)	61	121	132	640	1,652	10
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	1,179	37	—	14	171	613	337	7	—
	1914	1,617	(2)	(2)	113	176	632	171	425	—
Paper and wood pulp.....	1919	1,408	—	864	—	—	—	—	544	—
	1914	1,586	—	—	—	—	—	—	856	1,179
Printing and publishing, book and job.....	1919	2,243	311	9	1,726	185	7	1	4	—
	1914	2,284	(2)	(2)	1,140	906	215	20	3	—
Printing and publishing, newspapers and periodicals.....	1919	1,397	34	610	651	57	29	10	6	—
	1914	1,136	(2)	(2)	874	33	96	70	59	4
Shipbuilding, steel.....	1919	17,212	17,212	—	—	—	—	—	—	—
	1914	2,039	(2)	(2)	184	1,378	477	—	—	—
Shipbuilding, wooden, including boat building.....	1919	1,872	1,403	—	251	80	84	10	44	—
	1914	429	(2)	(2)	1	—	201	81	130	—
Shirts.....	1919	2,486	834	29	1,055	337	4	227	—	—
	1914	5,153	(2)	(2)	813	2,066	1,768	683	68	260
Slaughtering and meat packing.....	1919	1,563	203	—	559	7	101	206	417	10
	1914	1,221	(2)	(2)	11	6	98	224	879	3
Stamped and enameled ware, not elsewhere specified.....	1919	3,486	—	3	3,153	262	16	55	—	—
	1914	4,155	(2)	(2)	1,460	1,340	268	1,086	—	—
Tinware, not elsewhere specified.....	1919	4,293	93	—	72	580	514	2,974	—	—
	1914	3,072	(2)	(2)	5	38	53	1,427	1,549	—
Tobacco, cigars and cigarettes.....	1919	2,548	227	11	140	1,326	179	665	—	—
	1914	3,212	(2)	(2)	438	610	517	1,634	12	—
All other industries.....	1919	34,758	1,759	1,126	9,158	9,273	2,636	7,219	2,676	911
	1914	30,559	(2)	(2)	4,078	3,339	4,192	7,920	7,873	3,157

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.³ Includes "chewing gum" in 1914.⁴ Includes "iron and steel, welding."⁵ Not shown separately in 1914.

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TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Total for cities.....	1919	106,999	22,180	5,080	23,642	23,002	7,802	10,187	5,402	704
	1914	81,306	(2)	(2)	12,206	17,180	16,347	14,744	17,076	3,753
ANNAPOLIS.....	1919	95	1	-----	22	-----	29	3	11	29
BALTIMORE.....	1919	97,814	21,953	5,075	22,669	21,473	7,204	15,085	3,790	565
	1914	73,769	(2)	(2)	11,565	16,677	15,714	12,452	15,591	1,770
CUMBERLAND.....	1919	3,753	200	2	458	242	174	1,782	872	23
	1914	2,817	(2)	(2)	410	409	277	126	553	1,033
FREDERICK.....	1919	1,308	1	-----	46	71	168	745	242	35
	1914	1,146	(2)	(2)	10	-----	52	764	256	64
HAGERSTOWN.....	1910	4,029	25	3	447	1,216	227	1,572	487	52
	1914	3,574	(2)	(2)	212	94	304	1,402	676	886

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	Establishments	Wage earners (average number).	ESTABLISHMENTS EMPLOYING—										
			Establishments	Establishments	Establishments	Establishments	Establishments	Establishments	Establishments	Establishments	Establishments	Establishments	
All industries.....	4,937	140,342	636	2,351	5,221	1,062	11,880	464	14,870	194	14,004	143	22,375
Automobile repairing.....	212	1,101	19	147	322	36	401	9	304	1	74	-----	-----
Boxes, paper and other, not elsewhere specified.....	23	1,898	1	2	3	8	125	7	228	2	137	2	316
Boxes, wooden packing, except cigar boxes.....	39	1,972	3	11	8	86	16	578	6	422	6	875	-----
Bread and other bakery products.....	424	2,381	97	265	490	50	485	6	157	2	139	1	106
Brick and tile, terra-cotta, and fire-clay products.....	30	1,207	-----	6	30	9	118	8	258	5	411	2	300
Canning and preserving, fruits and vegetables.....	406	7,645	2	124	440	185	2,031	64	2,035	21	1,416	9	1,427
Cars and general shop construction and repairs by steam-railroad companies.....	17	8,363	-----	1	14	2	66	2	128	4	613	2	752
Clothing, men's.....	284	9,256	19	110	314	91	1,016	39	1,159	11	830	10	1,356
Clothing, women's.....	125	2,822	11	31	76	37	421	31	942	12	865	3	518
Confectionery and ice cream.....	170	3,008	32	93	107	25	266	8	207	4	297	6	907
Cotton goods.....	14	3,416	-----	1	5	1	6	3	118	2	164	3	494
Fertilizers.....	45	3,102	-----	16	87	10	128	5	173	6	438	3	498
Foundry and machine-shop products.....	133	4,081	15	41	97	37	437	21	695	12	878	5	704
Furnishing goods, men's.....	20	4,075	-----	6	23	9	134	6	203	3	202	2	417
Furniture.....	47	1,645	2	11	28	11	125	8	287	11	717	4	488
Glass.....	8	1,755	-----	-----	1	14	2	183	2	304	2	625	
Hats, straw.....	7	1,385	-----	-----	1	8	1	47	1	60	2	324	
Iron and steel, steel works and rolling mills.....	5	4,944	-----	-----	1	34	1	85	1	283	1	646	
Lumber and timber products.....	393	1,844	14	289	502	78	748	9	238	1	80	2	256
Lumber, planing-mill products, not including planing mills connected with sawmills.....	65	1,179	3	22	61	25	344	10	353	4	286	1	135
Paper and wood pulp.....	10	1,408	-----	2	4	5	5	140	7	500	2	400	
Printing and publishing, book and job.....	210	2,243	46	91	208	47	518	16	512	7	240	1	250
Printing and publishing, newspapers and periodicals.....	142	1,397	43	81	180	11	109	3	73	-----	1	115	3
Shipbuilding, steel.....	4	17,212	-----	-----	-----	-----	-----	-----	-----	1	920	1	885
Shipbuilding, wooden, including boat building.....	38	1,872	4	12	22	5	53	9	332	1	98	5	830
Shirts.....	47	2,486	-----	8	29	15	195	13	421	7	535	2	275
Slaughtering and meat packing.....	47	1,563	2	25	60	7	81	4	139	2	138	6	855
Stamped and enameled ware, not elsewhere specified.....	7	3,486	-----	1	2	2	28	5	107	4	286	3	407
Tinware, not elsewhere specified.....	28	4,233	-----	6	15	4	40	5	167	4	286	3	407
Tobacco, cigars and cigarettes.....	146	2,548	49	63	113	13	118	11	386	3	212	3	474
All other industries.....	1,782	34,815	277	895	1,973	335	8,795	144	4,517	60	4,362	51	8,335
Total for cities.....	3,093	106,999	444	1,306	3,070	666	7,576	323	10,317	100	11,552	123	19,316
ANNAPOULIS.....	15	95	2	7	18	6	77	-----	-----	-----	-----	21	14,213
BALTIMORE.....	2,797	97,814	422	1,170	2,710	585	6,615	300	9,089	143	10,259	113	17,705
CUMBERLAND.....	82	3,753	3	42	133	18	212	8	207	6	494	2	397
FREDERICK.....	77	1,308	9	35	68	23	291	4	166	3	190	2	335
HAGERSTOWN.....	122	4,029	8	52	141	34	378	11	335	8	609	6	870

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TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	4,987	4,797	4,837	140,342	111,585	107,921	\$873,944,774	\$377,749,078	\$315,660,150	\$324,507,305	\$138,777,105	\$110,620,245
Less than \$5,000	1,122	1,671	1,689	941	2,623	3,040	2,706,913	4,202,520	4,227,777	1,631,219	2,571,270	2,547,434
\$5,000 to \$20,000	1,603	1,646	1,767	5,486	8,905	11,346	17,330,308	16,707,959	17,825,972	8,972,817	8,539,767	8,389,931
\$20,000 to \$100,000	1,273	969	809	14,026	18,296	18,344	57,900,410	44,122,614	38,980,483	23,632,799	19,827,983	17,304,553
\$100,000 to \$500,000	675	377	441	{ 29,068	{ 43,569	{ 46,850	{ 148,743,329	{ 81,271,910	{ 130,048,877	{ 63,066,491	{ 36,786,292	{ 56,097,430
\$500,000 to \$1,000,000	123	69	41	{ 14,772	{ 38,192	{ 28,332	{ 560,618,083	{ 181,954,451	{ 124,586,041	{ 188,567,777	{ 51,740,646	{ 53,355,069
\$1,000,000 and over	141	65	41	{ 76,049	{ 100.0	{ 100.0	{ 100.0	{ 100.0	{ 100.0	{ 100.0	{ 100.0	{ 34,453,258
PER CENT DISTRIBUTION.												
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000	22.7	34.8	34.9	0.7	2.4	2.8	0.3	1.1	1.3	0.5	1.8	2.2
\$5,000 to \$20,000	32.5	34.3	36.5	3.9	8.0	10.5	2.0	4.4	5.6	2.8	6.2	7.6
\$20,000 to \$100,000	25.8	20.2	18.6	10.0	16.4	17.0	6.6	11.7	12.3	7.9	14.3	14.9
\$100,000 to \$500,000	13.7	7.9	7.0	{ 20.7	{ 39.0	{ 48.4	{ 17.0	{ 21.5	{ 41.2	{ 19.4	{ 40.4	{ 45.8
\$500,000 to \$1,000,000	2.5	1.4	0.1	{ 10.5	{ 34.2	{ 26.3	{ 9.9	{ 13.1	{ 39.5	{ 11.3	{ 58.1	{ 37.3
\$1,000,000 and over	2.9	1.4	0.8	{ 54.2	{ 64.1	{ 48.2	{ 64.1	{ 39.5	{ 53.1	{ 58.1	{ 37.3	{ 29.5

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914
BREAD AND OTHER BAKERY PRODUCTS.	424	523	100.0	100.0	2,381	2,038	100.0	100.0	\$20,494,018	\$8,097,580	100.0	100.0
Less than \$5,000	63	206	12.5	39.4	15	122	0.6	6.0	169,175	614,190	0.8	7.6
\$5,000 to \$20,000	244	265	57.5	50.7	264	637	11.1	31.3	2,652,808	2,423,995	12.9	29.9
\$20,000 to \$100,000	102	46	24.1	8.8	515	466	21.6	22.9	4,232,484	1,600,473	20.7	20.5
\$100,000 to \$1,000,000	20	16	4.7	1.1	393	813	16.5	39.9	3,887,147	1,3,388,928	10.0	42.0
\$1,000,000 and over	5	1.2	-----	-----	1,194	50.1	-----	-----	9,552,454	-----	46.6	-----
CANNING AND PRESERVING, FRUITS AND VEGETABLES.	406	423	100.0	100.0	7,645	8,354	100.0	100.0	28,421,544	17,409,780	100.0	100.0
Less than \$5,000	44	58	10.8	13.7	138	103	1.8	2.3	127,033	178,493	0.4	1.0
\$5,000 to \$20,000	154	200	37.9	47.3	1,033	1,565	13.5	18.7	1,868,925	2,430,557	6.5	13.9
\$20,000 to \$100,000	139	135	34.2	31.9	2,069	2,615	27.1	31.3	6,128,600	5,327,491	21.5	30.4
\$100,000 to \$500,000	62	23	15.3	5.4	3,013	3,981	39.4	47.7	12,870,292	4,355,483	45.3	25.1
\$500,000 and over	7	7	1.7	1.7	1,392	-----	18.2	-----	7,435,694	5,167,700	26.2	29.5
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.	17	20	100.0	100.0	8,363	5,969	100.0	100.0	22,837,066	13,229,352	100.0	100.0
Less than \$20,000	7	35.0	35.0	-----	98	1.6	-----	-----	82,301	-----	0.6	-----
\$20,000 to \$100,000	4	23.5	15.0	-----	145	138	1.7	2.3	235,890	195,029	1.0	1.5
\$100,000 to \$1,000,000	6	35.3	35.0	-----	1,028	1,054	12.3	27.7	2,280,163	2,146,723	10.0	16.2
\$1,000,000 and over	7	41.2	15.0	-----	7,190	4,079	86.0	68.3	20,320,988	10,805,299	89.0	81.7
CLOTHING, MEN'S.	284	253	100.0	100.0	9,256	12,909	100.0	100.0	60,414,498	28,099,838	100.0	100.0
Less than \$5,000	28	77	9.9	30.4	62	322	0.7	2.5	69,027	197,418	0.1	0.7
\$5,000 to \$20,000	95	83	33.5	32.8	625	959	6.8	7.4	1,043,947	731,222	1.7	2.5
\$20,000 to \$100,000	65	51	22.9	20.2	946	585	10.2	4.5	2,771,420	2,388,658	4.8	8.8
\$100,000 to \$500,000	76	30	26.8	11.9	1,695	2,463	18.3	19.1	17,582,000	6,194,770	29.1	21.3
\$500,000 to \$1,000,000	10	5	3.5	2.0	651	57.0	7.0	-----	6,666,381	3,782,040	11.0	13.0
\$1,000,000 and over	10	7	3.5	2.8	5,277	8,590	66.5	57.0	32,281,723	15,555,730	53.4	53.7
CLOTHING, WOMEN'S.	125	90	100.0	100.0	2,822	3,026	100.0	100.0	13,884,281	6,015,195	100.0	100.0
Less than \$5,000	13	6	10.4	6.7	17	31	0.6	1.0	33,528	17,570	0.2	0.3
\$5,000 to \$20,000	21	22	16.8	24.4	97	194	3.4	6.4	244,404	256,967	1.7	4.3
\$20,000 to \$100,000	47	42	37.6	46.7	552	982	32.5	2.7	2,117,305	19.6	35.2	123,767
\$100,000 to \$500,000	40	20	32.0	22.2	1,591	1,819	56.4	60.1	8,067,277	3,623,363	58.1	60.2
\$500,000 to \$1,000,000	4	3.2	-----	-----	665	20.0	-----	-----	2,821,622	-----	20.3	1,454,300
CONFECTIIONERY AND ICE CREAM ⁴ .	170	127	100.0	100.0	3,008	1,707	100.0	100.0	17,995,081	4,842,524	100.0	100.0
Less than \$5,000	44	50	25.9	39.4	17	34	0.6	2.0	95,026	130,525	0.5	2.7
\$5,000 to \$20,000	68	45	40.0	35.4	114	135	3.8	7.9	660,952	438,821	3.7	9.0
\$20,000 to \$100,000	34	19	20.0	15.0	273	262	9.1	15.3	1,458,320	779,193	8.1	16.1
\$100,000 to \$500,000	10	13	9.4	10.2	715	1,276	23.8	74.8	4,265,089	8,498,985	23.7	72.3
\$500,000 and over	8	4.7	-----	-----	1,880	62.8	-----	-----	11,515,694	-----	64.0	4,154,712
COTTON GOODS.	14	13	100.0	100.0	3,416	3,424	100.0	100.0	18,454,957	6,790,935	100.0	100.0
\$20,000 to \$500,000	6	13	42.9	100.0	206	23,424	6.0	100.0	1,242,877	2,690,935	6.7	100.0
\$500,000 to \$1,000,000	4	28.6	-----	-----	557	16.3	-----	-----	2,338,736	14,373,344	15.4	1,115,773
\$1,000,000 and over	4	28.6	-----	-----	2,653	77.7	-----	-----	14,373,344	77.9	-----	5,462,476

¹ Includes the group "\$1,000,000 and over."

² Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."

³ Includes the group "\$500,000 to \$1,000,000."

⁴ Includes "chewing gum" in 1914.

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TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Contd.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
FERTILIZERS.....	45	48	100.0	100.0	3,102	1,091	100.0	100.0	\$37,014,097	\$13,986,704	100.0	100.0	\$12,319,379	\$4,019,102	100.0	100.0
Less than \$5,000.....																
\$5,000 to \$20,000.....	19	12	20.0	25.0	1,19	37	0.6	1.9	1,99,146	133,100	0.3	0.1	1,28,614	43,801	0.2	0.1
\$20,000 to \$100,000.....	9	12	20.0	25.0	36	148	1.2	7.4	439,929	1,197,864	1.2	8.6	99,053	304,624	0.8	7.6
\$100,000 to \$500,000.....	10	8	22.2	16.7	185	2,041	6.0	52.3	2,275,925	1,406,946	6.1	10.5	468,078	2,1984,540	3.8	49.4
\$500,000 to \$1,000,000.....	5	8	11.1	16.7	214	214	6.9	10.4	3,840,354	6,109,264	10.4	43.7	1,128,072	9,2	9.2	41.9
\$1,000,000 and over.....	12	3	26.7	6.2	2,648	760	85.4	33.2	30,358,743	5,062,760	82.0	36.2	10,594,062	1,052,051	80.0	41.9
FLOUR-MILL AND GRISTMILL PRODUCTS.....	247	247	100.0	100.0	473	473	100.0	100.0	19,004,160	8,163,869	100.0	100.0	2,640,008	1,245,309	100.0	100.0
Less than \$5,000.....	38	57	14.6	23.1	1	16	0.2	3.4	97,634	168,998	0.5	2.1	19,395	47,330	0.7	3.8
\$5,000 to \$20,000.....	79	111	32.0	44.9	31	103	0.5	21.8	955,611	1,298,018	5.0	14.8	172,152	267,410	6.5	21.5
\$20,000 to \$100,000.....	104	66	42.1	26.7	166	178	34.7	37.6	4,243,270	2,720,867	22.3	33.3	718,894	448,121	27.2	36.0
\$100,000 to \$500,000.....	21	13	8.5	5.3	116	176	24.3	37.2	4,321,237	3,405,086	22.7	49.8	465,436	3,482,439	17.6	38.7
\$500,000 and over.....	7		2.8		164		34.3		9,386,517		49.4		1,270,821		48.0	
FOUNDRY AND MACHINE-SHOP PRODUCTS ⁴	146	128	100.0	100.0	4,138	2,668	100.0	100.0	16,045,959	6,615,128	100.0	100.0	10,389,028	3,400,955	100.0	100.0
Less than \$5,000.....	33	32	22.6	25.0	18	47	0.4	1.8	82,255	70,551	0.5	1.2	60,938	59,054	0.6	1.7
\$5,000 to \$20,000.....	35	43	24.0	33.6	124	225	3.0	8.4	398,055	443,828	2.5	6.7	207,618	204,715	2.9	8.6
\$20,000 to \$100,000.....	43	39	29.5	30.5	555	927	14.1	34.7	2,204,496	1,753,702	18.7	26.5	1,349,980	1,119,680	13.0	32.8
\$100,000 to \$500,000.....	28	14	19.2	10.9	1,498	31,469	36.2	55.1	5,949,012	3,430,957	37.1	55.6	3,821,156	1,935,900	36.8	50.8
\$500,000 to \$1,000,000.....	3		2.1		640		15.5		1,906,705		11.9		1,309,789		12.6	
\$1,000,000 and over.....	4		2.7		1,273		30.5		5,505,436		34.3		3,549,547		34.2	
FURNISHING GOODS, MEN'S.....	29	15	100.0	100.0	4,075	561	100.0	100.0	14,595,923	1,142,420	100.0	100.0	6,200,002	530,979	100.0	100.0
Less than \$20,000.....	3	5	10.3	33.3	33	20	0.8	3.6	26,660	37,509	0.2	3.3	14,168	17,013	0.2	3.2
\$20,000 to \$100,000.....	10	6	34.5	40.0	150	155	3.7	27.8	545,044	349,550	3.7	30.6	201,022	175,562	3.2	33.1
\$100,000 to \$500,000.....	11	4	37.9	26.7	379	385	9.3	68.6	2,300,048	755,370	15.8	66.1	875,290	338,404	13.9	63.7
\$500,000 and over.....	5		17.2		3,513		86.2		11,724,165		80.3		5,208,522		82.7	
PRINTING AND PUBLISHING, BOOK AND JOB.....	210	197	100.0	100.0	2,243	2,284	100.0	100.0	10,690,650	5,540,030	100.0	100.0	6,025,003	3,532,894	100.0	100.0
Less than \$5,000.....	74	81	35.2	41.1	34	82	1.5	3.6	108,300	182,680	1.6	3.3	107,884	127,700	1.6	3.6
\$5,000 to \$20,000.....	59	62	28.1	31.5	188	329	8.4	14.4	678,447	636,476	6.3	11.5	439,429	443,603	6.6	12.6
\$20,000 to \$100,000.....	52	44	24.8	22.3	610	882	27.2	35.6	2,431,176	2,613,949	22.7	47.1	1,512,006	1,810,413	22.8	51.2
\$100,000 to \$500,000.....	19	10	9.0	5.1	724	991	32.3	43.4	3,240,048	2,113,634	30.3	38.1	2,108,928	1,151,109	31.8	32.6
\$500,000 and over.....	6		2.9		687		30.6		4,172,070		39.0		2,465,846		37.1	
SHIRTS.....	47	48	100.0	100.0	2,486	5,153	100.0	100.0	12,174,683	10,048,037	100.0	100.0	3,975,611	4,467,237	100.0	100.0
Less than \$5,000.....	4	17	8.5	35.4	15	158	0.8	3.1	9,799	47,831	0.1	0.5	8,188	39,201	0.2	0.9
\$5,000 to \$20,000.....	9	17	19.1	35.4	114	340	4.0	6.6	96,381	103,141	0.8	1.6	65,004	107,132	1.0	2.4
\$20,000 to \$100,000.....	19	4	40.4	8.3	504	169	20.3	3.3	850,207	196,885	7.0	2.0	406,053	94,108	10.2	2.1
\$100,000 to \$500,000.....	11	7	23.4	14.6	603	1,129	24.3	21.9	3,224,883	1,800,374	20.5	18.8	907,639	744,547	22.8	16.7
\$500,000 and over.....	4	3	8.5	6.2	1,250	3,357	50.3	65.1	7,993,413	7,749,800	65.7	77.1	2,588,067	3,482,150	65.1	77.9
SLAUGHTERING AND MEAT PACKING.....	47	46	100.0	100.0	1,563	1,221	100.0	100.0	41,430,448	16,607,367	100.0	100.0	7,910,215	2,840,308	100.0	100.0
Less than \$20,000.....		7	15.2		7		0.6		93,806		0.6		10,020		0.7	
\$20,000 to \$100,000.....	6	19	40.4	41.3	57	73	2.4	6.0	6,850,295	941,698	2.1	5.7	6,129,075	92,492	1.6	3.3
\$100,000 to \$500,000.....	12	9	25.5	19.6	59	440	3.8	38.0	2,319,171	2,224,814	5.6	13.4	231,765	2,097,120	2.9	24.5
\$500,000 to \$1,000,000.....	5	5	10.6	10.9	131	701	8.4	87.4	3,598,707	3,334,912	8.7	20.8	406,980	52,031	5.2	71.5
\$1,000,000 and over.....	11	6	23.4	13.0	1,336	85.5	57.4		34,071,275	9,982,077	83.7	60.1	7,148,386	2,031,151	90.3	
TINWARE, NOT ELSEWHERE SPECIFIED.....	28	26	100.0	100.0	4,233	3,072	100.0	100.0	25,453,533	11,732,273	100.0	100.0	6,053,588	2,911,915	100.0	100.0
Less than \$20,000.....	6	5	21.4	19.2	15	23	0.4	0.7	72,630	40,414	0.3	0.4	31,802	26,463	0.5	0.9
\$20,000 to \$100,000.....	5	8	17.9	30.8	81	95	1.0	3.1	246,911	354,576	1.0	3.0	119,416	103,720	1.8	3.7
\$100,000 to \$500,000.....	8	8	28.6	30.8	448	407	10.6	13.2	1,983,196	1,055,654	7.8	14.1	651,264	474,070	9.8	16.3
\$500,000 and over.....	9	5	32.1	19.2	3,089	2,547	87.1	82.9	23,150,706	9,675,620	0.1	0.0	82.5	5,851,108	87.0	79.1

¹ Includes the group "Less than \$5,000."² Includes the group "\$500,000 to \$1,000,000."³ Includes the groups "\$500,000 to \$1,000,000" and "\$1,000,000 and over."⁴ Includes "iron and steel, welding."⁵ Includes the group "\$5,000 to \$20,000."

MANUFACTURES—MARYLAND.

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TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ANNAPOLIS.....	15	95	100.0	\$369,114	100.0	\$185,727	100.0	FREDERICK.....	77	1,308	100.0	\$7,141,204	100.0	\$2,258,567	100.0
Less than \$20,000.....	7	10	10.5	39,608	10.7	20,541	11.1	Less than \$5,000.....	18	6	0.5	33,025	0.5	19,572	0.9
\$20,000 to \$100,000.....	8	85	89.5	329,506	89.3	165,180	88.9	\$5,000 to \$20,000.....	22	68	5.2	230,874	3.2	101,512	4.5
BALTIMORE.....	2,707	97,814	100.0	677,878,402	100.0	250,122,688	100.0	\$20,000 to \$100,000.....	21	241	18.4	941,119	13.2	432,158	19.1
Less than \$5,000.....	521	304	0.3	1,233,468	0.2	818,513	0.3	\$100,000 to \$500,000.....	12	429	32.8	2,031,005	28.4	815,709	36.1
\$5,000 to \$20,000.....	822	2,295	2.3	9,037,015	1.3	5,228,837	2.1	\$500,000 and over.....	4	564	43.1	3,905,181	54.7	859,526	39.4
\$20,000 to \$100,000.....	736	7,723	7.9	34,640,909	5.1	17,230,221	6.0	HAGERSTOWN.....	122	4,020	100.0	17,602,575	100.0	7,261,153	100.0
\$100,000 to \$500,000.....	496	20,193	20.0	111,534,298	16.5	48,999,951	19.6	Less than \$5,000.....	16	10	0.2	39,092	0.2	23,190	0.4
\$500,000 to \$1,000,000.....	98	12,095	12.4	68,666,469	10.1	31,129,198	12.4	\$5,000 to \$20,000.....	36	133	3.3	336,688	2.2	209,397	2.9
\$1,000,000 and over.....	114	55,204	56.4	452,056,335	66.8	146,745,938	53.7	\$20,000 to \$100,000.....	41	471	11.7	2,039,172	11.5	855,005	11.8
CUMBERLAND.....	82	3,753	100.0	15,842,210	100.0	7,549,881	100.0	\$100,000 to \$500,000.....	21	1,254	31.1	4,914,765	27.8	2,036,621	28.0
Less than \$5,000.....	12	16	0.4	33,051	0.2	23,454	0.3	\$500,000 and over.....	8	2,161	53.6	10,282,853	58.2	4,131,940	56.9
\$5,000 to \$20,000.....	24	96	2.6	278,322	1.8	167,443	2.2								
\$20,000 to \$100,000.....	25	234	6.2	1,032,871	6.5	415,428	5.0								
\$100,000 to \$500,000.....	15	1,118	29.8	3,366,648	21.3	1,872,922	21.8								
\$500,000 and over.....	6	2,289	61.0	11,131,318	70.3	5,040,634	66.8								

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	NUMBER OF ESTABLISHMENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.						VALUE OF PRODUCTS.							
					In establishments owned by—			Per cent of total.						Of establishments owned by—			Per cent of total.	
		Individuals.	Corporations.	All others.	Total.	Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.	Total.	Individuals.	Corporations.	All others.	Individuals.	Corporations.	All others.
All industries.....	1919	2,063	1,200	1,065	140,342	14,395	110,856	15,001	10.3	70.0	10.8	\$873,944,774	81,391,812	\$707,403,302	\$85,144,660	0.3	80.9	0.7
	1914	2,870	1,004	914	111,535	15,831	68,380	27,374	14.2	61.8	24.5	377,749,078	44,428,028	264,857,410	63,463,640	11.8	70.1	18.1
	1909	2,917	873	1,047	107,921	16,826	50,676	31,410	15.6	55.3	20.1	315,060,150	41,522,912	207,102,289	67,043,919	13.2	55.0	21.2
Bread and other bakery products.	1919	380	43	31	2,381	1,046	1,214	121	43.9	51.0	5.1	20,494,018	10,250,028	9,303,512	910,478	50.2	45.4	4.4
	1914	484	9	30	2,038	1,161	747	130	57.0	36.7	6.4	8,097,596	4,084,853	3,006,478	406,255	57.9	37.1	5.0
Canning and preserving, fruits and vegetables.	1919	188	57	161	7,045	2,046	2,855	2,744	26.8	37.3	35.9	28,421,544	6,001,856	13,787,717	8,631,971	21.1	48.5	30.4
	1914	230	58	135	8,354	2,287	3,760	2,307	27.4	45.0	27.6	17,499,730	4,137,017	8,997,540	4,305,173	23.6	51.4	24.9
Cars and general shop construction and repairs by steam-railroad companies.	1919	17	—	—	8,363	—	8,303	—	—	—	—	22,837,066	—	22,837,066	—	—	—	—
	1914	20	—	—	5,969	—	5,909	—	—	—	—	13,220,352	—	13,220,352	—	—	—	—
Clothing, men's.....	1919	156	29	99	9,256	1,800	5,019	2,437	19.4	54.2	26.3	60,414,498	10,472,870	28,041,882	20,899,766	17.3	48.1	34.6
	1914	170	10	73	12,009	1,565	2,793	3,551	12.1	21.6	66.2	28,900,838	3,742,176	3,431,114	21,820,648	12.9	11.8	75.3
Clothing, women's.....	1919	56	24	45	2,822	618	1,187	1,017	21.9	42.1	36.0	13,884,281	3,422,573	5,288,834	5,172,874	24.7	38.1	37.3
	1914	45	13	32	3,026	813	1,075	1,538	26.9	22.3	50.8	6,015,195	1,650,204	1,250,065	3,108,896	27.5	20.8	51.7
Confectionery and ice cream.	1919	105	29	36	3,008	509	2,283	216	16.9	75.9	7.2	17,995,081	3,177,877	13,809,025	1,008,179	17.7	76.7	5.6
	1914	73	24	30	1,707	324	1,207	178	10.0	70.7	10.3	4,842,524	973,727	3,353,839	514,058	20.1	69.3	10.6
Fertilizers.....	1919	6	32	7	3,102	50	3,008	44	1.6	97.0	1.4	37,014,097	480,472	36,104,218	429,407	1.3	97.5	1.2
	1914	9	29	10	1,901	83	1,847	61	4.2	92.8	3.1	13,986,704	408,025	13,162,182	415,407	2.9	94.1	3.0
Flour-mill and gristmill products.	1919	164	80	53	478	148	280	100	31.0	48.1	20.9	19,004,169	3,970,188	10,402,781	4,631,200	20.9	54.7	24.4
	1914	174	32	41	473	211	192	70	44.6	40.6	14.8	8,163,880	3,684,638	3,541,657	937,574	45.1	43.4	11.6
Foundry and machine-shop products. ¹	1919	59	62	25	4,138	416	3,501	221	10.1	84.6	5.3	16,045,959	1,442,247	13,836,331	787,381	9.0	86.2	4.8
	1914	49	52	27	2,668	360	2,062	246	13.5	77.3	9.2	6,015,128	875,652	4,984,229	755,247	18.2	75.3	11.4
Furnishing goods, men's....	1919	4	14	11	4,075	102	3,431	542	2.5	84.2	13.3	14,595,923	340,188	11,229,070	3,026,665	2.3	76.9	20.7
	1914	7	3	5	561	31	287	243	5.5	51.2	43.3	1,142,429	87,495	468,019	591,015	7.7	40.6	51.7
Printing and publishing, book and job.	1919	102	68	40	2,243	209	1,807	227	9.3	80.6	10.1	10,690,050	835,615	8,700,877	1,094,158	7.8	81.9	10.2
	1914	105	60	32	2,284	302	1,547	435	13.2	67.7	19.0	5,540,639	713,211	3,652,692	1,180,736	12.0	65.9	21.3
Shirts.....	1919	16	15	16	2,486	501	1,635	350	20.2	65.8	14.1	12,174,683	1,706,777	8,694,291	1,773,615	14.0	71.4	14.6
	1914	23	7	18	5,153	455	596	4,102	8.8	11.6	79.6	10,048,037	430,844	795,532	8,821,661	4.3	7.9	87.8
Slaughtering and meat packing.	1919	24	13	10	1,563	241	1,237	85	15.4	79.1	5.4	41,439,448	6,394,153	32,295,912	2,749,383	15.4	77.9	6.6
	1914	24	11	11	1,221	387	754	80	31.7	61.8	6.6	16,607,367	5,946,977	8,898,257	1,671,133	35.8	54.1	10.1
Tinware, not elsewhere specified.	1919	6	18	4	4,233	130	8,962	141	3.1	93.6	3.3	25,453,533	341,886	24,253,527	857,820	1.3	95.3	3.4
	1914	5	16	5	3,072	41	2,497	534	1.3	81.8	17.4	11,732,273	125,328	10,178,212	1,428,733	1.1	86.8	12.2
Total for cities.....	1919	1,645	875	573	106,999	10,250	85,879	10,861	9.6	80.3	10.2	718,893,595	65,479,914	584,058,923	69,354,758	9.1	81.2	9.6
	1914	1,045	615	486	81,306	10,198	47,423	23,685	12.5	58.3	29.1	232,863,773	29,272,217	142,538,659	61,052,897	12.6	61.2	26.2
ANNAPOLIS.....	1919	9	3	3	95	42	47	6	44.2	49.5	6.3	369,114	199,901	156,863	12,350	54.2	42.5	3.3
BALTIMORE.....	1919	1,497	782	518	97,814	9,218	78,565	10,031	9.4	80.3	10.3	677,878,492	60,613,477	55,441,356	63,823,650	8.9	81.6	9.4
	1914	1,635</td																

MANUFACTURES—MARYLAND.

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.	Number or amount.	Per cent of aggregate.		
Number of places.....	1919	.....	5	.....	2	.....	2	.....	1	.....	.....
	1914	.....	4	.....	2	.....	1	.....	1	.....	.....
	1909	.....	4	.....	3	.....	.....	.....	1	.....	.....
Population ¹	1920	1,449,661	814,007	56.2	22,280	1.5	57,901	4.0	733,826	50.6	635,654	43.8
	1915	1,341,075	640,317	47.7	35,073	2.7	25,054	1.9	579,590	43.2	700,758	62.3
	1910	1,285,346	607,242	46.9	48,757	3.8	.....	.....	558,485	43.1	688,104	53.1
Number of establishments.....	1919	4,937	3,093	62.6	92	1.9	204	4.1	2,797	56.7	1,844	37.4
	1914	4,797	2,746	57.2	170	3.5	74	1.5	2,502	52.1	2,051	42.8
	1909	4,837	2,704	55.9	203	4.2	.....	.....	2,502	51.7	2,133	44.1
Average number of wage earners.....	1919	140,342	106,999	76.2	1,403	1.0	7,782	5.5	97,814	69.7	33,343	23.8
	1914	111,585	81,306	72.9	4,720	4.2	2,817	2.5	73,760	66.1	30,279	27.1
	1909	107,921	76,124	70.5	4,680	4.3	.....	.....	71,444	66.2	31,797	29.5
Value of products.....	1919	\$873,944,774	\$718,803,595	82.3	\$7,510,318	0.9	\$33,504,785	3.8	\$677,878,492	77.6	\$155,051,179	17.7
	1914	377,749,078	232,863,773	61.6	10,579,034	2.8	7,112,600	1.9	215,171,530	57.0	144,885,305	38.4
	1909	315,669,150	197,619,972	62.6	10,642,262	3.4	.....	.....	186,977,710	59.2	118,040,178	37.4
Value added by manufacture.....	1919	324,597,395	267,378,016	82.4	2,444,294	0.8	14,811,034	4.6	250,122,688	77.1	57,210,379	17.6
	1914	138,777,105	101,905,382	73.4	4,147,725	3.0	3,110,346	2.2	94,638,311	68.2	36,871,723	26.6
	1909	116,620,245	84,047,316	72.1	4,093,489	3.5	.....	.....	79,953,827	68.6	32,572,929	27.9

¹ Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 15, 1910.

TABLE 16.—PRINCIPAL INDUSTRIES IN BALTIMORE (THE ONLY CITY IN THE STATE HAVING 50,000 INHABITANTS OR MORE), WITH PER CENT OF TOTAL FOR STATE: 1919.

INDUSTRY.	VALUE OF PRODUCTS.				INDUSTRY.	VALUE OF PRODUCTS.				
	Amount, 1919.	Per cent of total for the state.	Increase ¹ over 1914.			Amount, 1919.	Per cent of total for the state.	Increase ¹ over 1914.		
			Amount.	Per cent.				Amount.	Per cent.	
Clothing, men's.....	\$50,838,256	90.0	(2)	.....	Boxes, wooden packing, except cigar boxes.	\$3,850,830	59.2	\$1,320,984	52.8
Slaughtering and meat packing.....	40,479,781	97.7	\$31,468,499	340.2	Structural ironwork, not made in steel works or rolling mills.	3,808,486	100.0	(2)	.....
Fertilizers.....	32,292,525	87.2	26,091,847	420.8	Glass.....	3,351,101	83.2	(2)	.....
Tinware, not elsewhere specified.....	21,959,596	98.1	(2)	Automobile repairing.....	3,351,452	88.8	3,200,219	2,207.6		
Bread and other bakery products.....	17,599,524	85.9	10,993,079	166.4	Bags, other than paper, not including bags made in textile mills.....	3,132,886	100.0	(2)	.....
Confectionery and ice cream.....	16,967,106	94.3	12,415,247	272.8	Lithographing.....	3,123,735	100.0	2,058,343	193.2	
Cars and general shop construction and repairs by steam-railroad companies.....	14,420,844	83.1	4,381,933	43.6	Oil, not elsewhere specified.....	3,123,209	100.0	(2)	.....
Furnishing goods, men's.....	13,961,385	95.7	12,818,056	1,122.1	Umbrellas and canes.....	2,729,891	100.0	1,128,017	70.4	
Stamped and enamelled ware, not elsewhere specified.....	13,075,233	100.0	(2)	Ice, manufactured.....	1,903,300	70.0	903,582	90.4		
Clothing, women's.....	13,061,400	94.1	(2)	Brick and tile, terra-cotta, and fire-clay products.....	1,874,067	58.4	(2)	.....	
Cotton goods.....	12,849,731	69.6	(2)	Copper, tin, and sheet-iron work.....	1,842,264	87.4	846,198	84.9		
Foundry and machine-shop products ⁴	11,896,684	70.9	6,996,707	145.5	Sausage, not made in slaughtering and meat-packing establishments.....	1,724,833	90.4	1,232,232	250.1	
Canning and preserving, fruits and vegetables.....	11,677,988	41.1	4,180,651	55.8	Marble and stone work.....	1,531,809	77.9	230,739	17.7	
Shirts.....	10,500,819	88.8	944,586	9.8	Gas machines and gas and water meters.....	1,350,132	100.0	(2)	.....
Printing and publishing, book and job.....	10,333,510	96.7	4,957,368	92.2	Cooperage.....	1,295,051	91.6	989,051	823.2	
Food preparations, not elsewhere specified.....	8,845,786	96.8	6,018,657	212.9	Mineral and soda waters.....	1,233,485	69.1	802,544	186.2	
Patent medicines and compounds.....	8,616,675	97.1	5,714,114	106.9	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	1,139,455	100.0	.....	.....
Printing and publishing, newspapers and periodicals.....	8,292,313	88.5	4,825,536	139.6	Ammunition.....	.....	.....	.....	.....
Tobacco, cigars and cigarettes.....	7,458,851	91.1	2,428,166	48.2	Brass, bronze, and copper products.....	.....	.....	.....	.....
Druggists' preparations, and perfumery and cosmetics.....	6,819,667	98.4	3,844,398	129.2	Cars, steam-railroad, not including operations of railroad companies.....	.....	.....	.....	.....
Boxes, paper and other, not elsewhere specified.....	6,156,873	98.8	(2)	Chemicals.....	.....	.....	.....	.....
Coffee and spice, roasting and grinding.....	5,884,333	100.0	1,490,995	33.9	Gas, illuminating and heating.....	.....	.....	.....	.....
Furniture.....	5,157,784	75.5	2,425,066	88.8	Liquors, distilled.....	.....	.....	.....	.....
Hats, straw.....	4,719,150	100.0	-108,889	-2.2	Petroleum, refining.....	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	4,516,442	60.1	2,009,652	80.2	Shipbuilding, steel.....	.....	.....	.....	.....
Shipbuilding, wooden, including boat building.....	4,011,866	62.0	3,662,011	1,046.7	Smelting and refining, copper.....	.....	.....	.....	.....
Tobacco, smoking.....					Tobacco, smoking.....	.....	.....	.....	.....

¹ A minus sign (−) denotes decrease.² Figures can not be shown without disclosing individual operations.³ Includes "chewing gum" in 1914.⁴ Includes "iron and steel, welding"; "machine tools"; and "textile machinery and parts."

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TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	18,730	9,199	6,470	406,768	263,753	218,244	100.0	100.0	100.0
Owned.....	3,076	3,346	3,523	251,606	219,956	200,205	61.9	83.4	91.7
Steam ¹	2,287	2,574	2,603	177,106	190,199	182,395	43.5	74.4	83.6
Engines.....	2,191	(2)	(2)	149,756	(2)	(2)	36.8	-----	-----
Turbines.....	96	(2)	(2)	27,350	(2)	(2)	6.7	-----	-----
Internal-combustion engines.....	507	522	504	65,493	13,822	5,736	16.1	5.2	2.6
Water.....	222	250	326	9,007	9,935	12,074	2.2	3.8	5.5
Water wheels and turbines.....	222	244	309	9,007	9,873	11,953	2.2	3.7	5.5
Water motors.....	6	17	62	-----	62	121	-----	(*)	0.1
Rented.....	15,054	5,853	2,947	155,162	43,797	18,039	38.1	16.6	8.3
Electric.....	15,054	5,853	2,947	155,031	42,243	17,108	38.1	16.0	7.8
Other.....	-----	-----	131	-----	1,554	931	(*)	0.6	0.4
Electric.....	20,979	10,137	5,024	313,811	117,707	44,921	100.0	100.0	100.0
Rented.....	15,054	5,853	2,947	155,031	42,243	17,108	49.4	35.9	38.1
Generated by establishments reporting.....	5,325	4,284	2,077	153,780	75,464	27,813	50.6	64.1	61.9

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power. ² Not reported separately. ³ Less than one-tenth of 1 per cent.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1919	65,239	2,020,167	436,764	1,086,424	33,204
	1914	127,598	1,425,508	320,133	622,694	(1)
Per cent of increase ²		-48.9	41.7	36.4	79.8	(1)
Baking powders and yeast.....	64	7,797	-----	-----	-----	916
Boxes, paper and other, not elsewhere specified.....	158	5,001	-----	8,300	5	1,260
Brass, bronze, and copper products.....	3,358	3,673	1,256	15,528	70	4,752
Bread and other bakery products.....	8,931	10,186	403	133	413	17,328
Brick and tile, terra-cotta, and fire-clay products.....	178	88,526	-----	150	13	-----
Canning and preserving, fruits and vegetables.....	1,104	37,502	-----	291	2,219	207
Cars and general shop construction and repairs by steam-railroad companies.....	108,501	1,489	1,489	25,523	6	6,682
Chemicals.....	66,705	42	42	15,003	-----	7,200
Clothing, men's.....	1,326	9,223	-----	18	53	20,490
Confectionery and ice cream.....	2,723	9,830	186	212	714	134,907
Cotton goods.....	30	21,402	-----	-----	60	-----
Fertilizers.....	109	27,204	75	3,151	157	-----
Flour-mill and gristmill products.....	1,893	10,583	-----	2,156	1,036	430
Food preparations, not elsewhere specified.....	338	5,109	-----	2	20	1,028
Foundry and machine-shop products.....	2,486	12,752	13,564	7,215	291	12,702
Furniture.....	415	8,160	-----	3	1	1,509
Gas, illuminating and heating.....	4,218	52,898	-----	16,084	-----	20,550
Glass.....	32	35,407	1,440	49,045	102	4,000
Ice, manufactured.....	6,650	84,391	-----	4,639	274	-----
Iron and steel, steel works and rolling mills.....	157	107,625	3,713	529,811	250	835,590
Leather, tanned, curried, and finished.....	2	13,577	-----	-----	55	-----
Lime.....	3,359	5,442	15,918	32	247	-----
Liquors, malt.....	2,058	24,568	-----	-----	290	-----
Paints.....	13	9,048	-----	-----	35	138
Paper and wood pulp.....	-----	171,970	-----	-----	-----	-----
Paving materials.....	16,967	-----	119	-----	150	-----
Petroleum, refining.....	3,277	54,262	39,548	287,403	20,465	-----
Pottery.....	468	8,811	-----	-----	-----	-----
Shipbuilding, steel.....	5,338	33,876	3,314	10,060	1,200	329
Slaughtering and meat packing.....	8,772	48,461	-----	12	21	299
Stamped and enameled ware, not elsewhere specified.....	44	20,918	1,469	9,439	10	17,489
All other industries.....	12,558	899,532	354,307	95,029	5,048	183,046
Total for cities.....	47,832	937,779	74,818	530,996	28,738	439,236
ANNAPOLIS.....	110	7,073	6	-----	1	-----
BALTIMORE.....	43,413	792,258	68,653	509,589	28,218	401,025
CUMBERLAND.....	39	33,520	1,548	15,955	453	35,503
FREDERICK.....	1,490	13,143	3,824	2,267	20	145
HAGERSTOWN.....	2,780	41,785	782	12,185	47	2,503

¹ Included in figures for fuel oils.² A minus sign (−) denotes decrease.

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SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for seven of these industries are here presented.

Shipbuilding, including boat building (Tables 19 and 20).—This industry includes the building and repairing of steel and wooden vessels, as well as small craft, and the manufacture of masts, spars, oars, and rigging. Comparisons of the 1919 figures for this industry, unlike those for any other for which totals are presented, are made with those of the special census for shipbuilding, 1916. The number and tonnage of all vessels launched in 1919 and 1916 are shown, by classes, in the following table:

TABLE 19.—SHIPBUILDING, INCLUDING BOAT BUILDING—NUMBER AND TONNAGE: 1919 AND 1916.

	1919		1916	
	Number.	Gross tonnage.	Number.	Gross tonnage.
Vessels, 5 gross tons and over, launched during the year.....	104	153,795	66	57,767
Steel.....	26	131,012	17	45,833
Steam.....	24	126,829	12	32,788
Motor.....			5	13,045
Unrigged.....	2	4,183		
Wooden.....	78	22,783	49	11,934
Steam.....	9	3,071	1	73
Motor.....	9	166	13	502
Sail, with auxiliary power.....	2	2,147	2	1,360
Sail, without auxiliary power.....	2	1,75	1	75
Unrigged.....	58	17,809	32	9,834
Power boats, less than 5 gross tons.....	28	.....	51	.....

The increase in iron and steel tonnage from 1916 to 1919 was far in excess of the increase in wooden tonnage during the same period, the increases being 185.8 and 90.9 per cent, respectively.

Twenty-four of the 26 steel vessels launched in 1919 were propelled by steam. Ten were designed for freight service, 11 for oil tankers, 1 for towing, and 2 for mine sweepers. Sixteen of these vessels were launched at Sparrows Point and 10 at Baltimore.

The value of work upon vessels of all kinds during 1919 and 1916 is shown in the following table:

TABLE 20.—SHIPBUILDING, INCLUDING BOAT BUILDING—VALUE: 1919 AND 1916.

	1919	1916
Total value of work	\$67,809,914	\$12,205,557
Work done during the year on new vessels, 5 gross tons and over	53,323,374	8,934,761
Steel	49,320,806	8,380,836
Wood	3,903,568	563,925
Boats of less than 5 tons	13,003	41,054
Power boats of all kinds	10,753	26,575
Sailboats, rowboats, etc	2,250	14,470
Repair work	12,279,775	8,046,777
Steel	10,485,795	2,462,559
Wood	1,793,980	554,218
All other products	1,603,762	182,965

Of the 78 wooden vessels launched during 1919, 58 were unrigged, mostly used as lighters.

Slaughtering and meat packing (Table 21).—This table presents for the census years 1919, 1914, and 1909 the kind, number, and cost of animals slaughtered, the cost of all other materials, which includes poultry, dressed meats purchased for curing, cottonseed oil for making lard compounds and substitutes, curing materials, seasoning, refrigeration, materials for making ice, containers, fuel, rent of power, mill supplies, contract work, and freight; and the kind, quantity, and value of the principal products that can be shown without disclosing individual operations. The value of the products that can not be shown separately and minor and auxiliary specified products are grouped under "All other products," and include beef, pickled and other cured, canned goods, lard, oleo and other oils, canned sausage, grease, soap stock, oleo stearin, casings, hoofs, horns, horntips, strips, and waste, glue, skins (other than cattle, calf, and sheep), hog and cattle hair, and ice.

The number of animals slaughtered indicates the growth of the industry; the number in 1919 was 847,703 and in 1914, 734,220, an increase of 113,483, or 15.5 per cent. This increase was in all classes.

The cost of materials and value of products increased in a much greater ratio and was largely due to inflated values on account of the World War. The cost of all materials increased \$19,753,264, or 143.5 per cent, and the cost of animals slaughtered increased \$14,819,687, or 135.3 per cent. The total value of products increased \$24,832,081, or 149.5 per cent. All classes of products increased in value, but there was a production decrease in pork, pickled and other cured, of 2,933,774 pounds, sausage of 2,571,692 pounds, lard of 1,200,910 pounds, and tallow and oleo stock of 211,421 pounds. The manufacture of lard compounds and substitutes increased 2,493,029 pounds, which more than offset the decrease in lard, and indicated the increasing popularity of this product's use for culinary purposes in this state.

TABLE 21.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$33,520,233	\$13,766,969	\$11,282,938
Animals slaughtered, cost.....	\$25,775,352	\$10,955,685	\$8,063,804
Beeves—			
Number.....	75,460	44,738	36,251
Cost.....	\$8,697,572	\$3,250,400	\$1,900,380
Calves—			
Number.....	60,530	26,278	23,137
Cost.....	\$1,305,074	\$276,447	\$205,270
Sheep and lambs—			
Number.....	57,206	40,578	19,173
Cost.....	\$593,403	\$213,175	\$88,282
Hogs—			
Number.....	654,433	622,626	554,761
Cost.....	\$15,089,303	\$7,215,613	\$5,803,872
All other materials, cost.....	\$7,744,881	\$2,811,304	\$3,219,134

TABLE 21.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909—Continued.

	1919	1914	1909
PRODUCTS.			
Total value.....	\$41,439,448	\$16,607,367	\$13,394,192
Fresh meat, value.....	\$16,419,708	\$5,913,753	\$3,817,392
Beef—			
Pounds.....	36,458,212	23,144,709	19,979,567
Value.....	\$7,532,750	\$2,836,331	\$1,753,714
Veal—			
Pounds.....	4,434,770	1,612,205	1,482,710
Value.....	\$1,062,417	\$225,152	\$177,732
Mutton and lamb—			
Pounds.....	1,032,010	1,541,215	630,729
Value.....	\$503,503	\$217,216	\$77,511
Pork—			
Pounds.....	21,406,406	16,172,217	13,166,197
Value.....	\$6,521,137	\$2,362,933	\$1,762,932
Edible offal and other fresh meat—			
Pounds.....	8,039,216	3,815,685	264,515
Value.....	\$799,991	\$272,121	\$40,473
Pork, pickled and other cured:			
Pounds.....	33,222,353	36,150,127	28,231,007
Value.....	\$11,340,198	\$5,501,956	\$3,648,005
Sausage:			
Pounds.....	8,095,159	10,666,851	11,713,817
Value.....	\$1,044,020	\$1,338,165	\$1,086,061
Meat puddings, scrapple, headcheese, etc.:			
Pounds.....	2,176,550	1,011,907	(1)
Value.....	\$405,681	\$106,431	(1)
Lard:			
Pounds.....	9,311,568	10,542,478	9,577,942
Value.....	\$2,607,575	\$1,219,403	\$1,102,407
Lard compounds and substitutes:			
Pounds.....	9,785,570	7,292,547	(1)
Value.....	\$2,368,919	\$627,305	(1)
Tallow and oleo stock:			
Pounds.....	8,330,154	3,541,575	1,469,135
Value.....	\$180,354	\$230,704	\$80,977
Fertilizers and fertilizer materials:			
Tons.....	14,385	6,368	21,827
Value.....	\$553,445	\$150,745	\$398,965
Hides, cattle and calf:			
Number.....	135,875	71,016	58,391
Pounds.....	4,051,767	2,890,539	2,755,685
Value.....	\$1,772,537	\$493,031	\$349,077
Sheep pelts:			
Number.....	56,951	40,578	19,173
Value.....	\$146,224	\$17,940	\$16,963
All other products, value.....	\$8,330,797	\$1,008,845	\$2,824,445

¹ Not reported separately.

Fertilizers (Table 22).—This table shows the quantities and values of the chief products of the fertilizer industry in Maryland in 1919, 1914, and 1909. Measured by value of products, the state ranked second among the states in all three years, Georgia ranking first. A progressive increase is shown for both quantity production and values, with an increase in average ton value from \$15 in 1909 and 1914 to \$29 in 1919.

TABLE 22.—FERTILIZERS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value of products.....	\$37,014,097	\$13,986,704	\$9,672,786
Fertilizers:			
Tons (2,000 pounds).....	1,209,420	875,669	608,609
Value.....	\$34,997,000	\$18,482,031	\$8,082,265
Complete and ammoniated fertilizers—			
Tons.....	485,854	516,856	318,542
Value.....	\$20,928,804	\$10,010,781	\$6,016,143
Superphosphates and concentrated phosphates—			
Tons.....	635,856	222,401	184,524
Value.....	\$10,601,824	\$1,790,875	\$1,838,950
Other fertilizers—			
Tons.....	87,716	130,412	105,633
Value.....	\$3,406,432	\$1,081,275	\$1,129,163
All other products, value.....	\$2,017,037	\$503,773	\$689,521

Canning and preserving (Table 23).—The quantity and value of the various products of this industry for 1919, 1914, and 1909 are given in the following

table. The case consists of 24 standard-size No. 2 cans for beans, corn, peas, blackberries, gooseberries, strawberries, and cherries, and No. 3 cans for all others except tomato pulp, for which No. 10 cans were used.

TABLE 23.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$30,500,097	\$18,028,779	\$13,709,449
Canning and preserving, fruits and vegetables.....	\$28,421,544	\$16,448,869	\$12,393,905
Canning and preserving, fish and oysters.....	\$1,051,695	\$1,194,518	\$988,831
Pickles, preserves, and sauces.....	\$1,092,858	\$385,392	\$326,713
Canned vegetables.....	\$20,951,330	\$14,504,612	\$10,779,540
Tomatoes:			
Cases.....	2,975,507	6,564,314	5,747,477
Value.....	\$10,659,221	\$7,710,402	\$7,674,980
Corn:			
Cases.....	2,342,359	1,482,093	772,828
Value.....	\$5,448,073	\$1,039,295	\$1,039,905
Beans:			
Cases.....	757,203	646,196	611,287
Value.....	\$1,774,344	\$800,117	\$778,732
Peas:			
Cases.....	616,446	545,022	381,894
Value.....	\$1,696,504	\$383,570	\$319,981
Spinach:			
Cases.....	226,186	275,841	110,882
Value.....	\$906,778	\$408,651	\$188,852
Sweet potatoes:			
Cases.....	167,274	126,259	136,252
Value.....	\$544,394	\$205,261	\$203,919
Tomato pulp:			
Cases.....	39,506	(2)	(2)
Value.....	\$210,751	(4)	(4)
Tomato paste:			
Cases.....	83,928	(4)	(2)
Value.....	\$123,394	(2)	(2)
Succotash:			
Cases.....	47,260	(2)	(2)
Value.....	\$109,035	(2)	(2)
All other:			
Cases.....	83,101	207,902	150,852
Value.....	\$288,236	\$467,256	\$270,191
Canned fruits.....	\$4,832,365	\$1,209,909	\$1,095,014
Peaches:			
Cases.....	223,372	191,760	80,489
Value.....	\$1,316,603	\$319,021	\$158,839
Pineapples:			
Cases.....	149,931	65,830	67,095
Value.....	\$1,808,354	\$237,320	\$252,384
Pears:			
Cases.....	163,825	121,859	67,427
Value.....	\$777,105	\$221,305	\$111,949
Strawberries:			
Cases.....	57,133	68,562	106,721
Value.....	\$592,352	\$187,321	\$228,860
Apples:			
Cases.....	98,806	83,567	111,347
Value.....	\$318,205	\$125,578	\$168,458
Blackberries:			
Cases.....	44,552	28,115	29,884
Value.....	\$220,197	\$15,174	\$39,316
Raspberries:			
Cases.....	25,321	9,716	14,052
Value.....	\$203,893	\$17,906	\$26,919
Cherries:			
Cases.....	5,346	25,383	10,092
Value.....	\$44,006	\$48,246	\$18,204
Gooseberries:			
Cases.....	8,978	42,617	53,513
Value.....	\$32,582	\$56,372	\$77,987
All other:			
Cases.....	2,567	8,690	9,017
Value.....	\$10,008	\$12,666	\$13,398
Pickles, preserves, and sauces, value.....	\$1,092,858	\$385,392	\$326,713
Canned oysters, value.....	\$670,796	\$1,088,744	\$761,198
Canned, smoked, and salted fish, clams, and crabs, value.....	\$316,886	\$105,774	\$227,633
All other products, value.....	\$2,701,862	\$704,258	\$519,351

¹ Does not include 195,204 cases of canned vegetables valued at \$588,773, canned fruits, 81,081 cases valued at \$542,207, canned oysters, 273,773 cases, to the value of \$1,184,034, and pickles, preserves, and sauces to the value of \$94,628, in 1919; 195,961 cases of vegetables, valued at \$305,984, 51,781 cases of canned fruits valued at \$125,137, 28,189 cases of canned oysters valued at \$88,347, and pickles, preserves, and sauces valued at \$50,745, in 1914, reported by establishments engaged in other industries.

² Included in "All other" in 1914 and 1909.

Flour-mill and gristmill products (Table 24).—This table shows the kinds, quantities, and values of the different products of this industry for 1919, 1914, and 1909.

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TABLE 24.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$19,004,169	\$8,163,860	\$9,267,903
Wheat flour:			
Barrels.....	1,282,219	1,105,577	1,130,165
Value.....	\$13,107,473	\$5,152,538	\$6,097,871
Rye flour:			
Barrels.....	835	2,211	5,296
Value.....	\$5,231	\$8,820	\$23,304
Buckwheat flour:			
Barrels.....	1,632,093	1,564,878	2,558,744
Value.....	\$91,642	\$50,753	\$60,279
Corn meal and corn flour:			
Barrels.....	128,005	170,431	230,332
Value.....	\$1,019,061	\$605,583	\$741,075
Hominy and grits:			
Pounds.....	326,350	2,464,035	2,289,617
Value.....	\$14,820	\$16,961	\$38,966
Bran and middlings:			
Tons.....	50,633	49,202	
Value.....	\$2,009,690	\$1,315,693	
Feed and offal:			
Tons.....	16,870	32,947	\$1,804
Value.....	\$1,035,674	\$973,570	\$2,174,260
All other products, value.....	\$1,120,569	\$9,921	\$123,148

Cotton goods (Table 25).—The principal statistics relating to the cotton-goods industry are presented for the census years 1919, 1914, and 1909.

The quantity of domestic cotton consumed in 1919 increased 14.7 per cent as compared with 1914 and 6.3 per cent as compared with 1909. The consumption of cotton for census years reached its peak in 1899, when it amounted to 39,901,955 pounds.

During the past 20 years the yardage of woven goods has shown a steady decrease, the production having been 33,910,582 square yards in 1899, 22,801,376 square yards in 1904, 21,428,788 square yards in 1909, 17,940,482 square yards in 1914, and 17,915,469 square yards in 1919.

TABLE 25.—COTTON GOODS: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$11,427,557	\$4,452,325	\$4,011,741
Domestic cotton:			
Pounds.....	29,196,868	25,444,796	27,400,792
Cost.....	\$8,937,212	\$2,979,250	\$3,230,428
Cotton yarn, purchased:			
Pounds.....	2,706,157	4,746,710	2,254,334
Cost.....	\$1,502,846	\$806,266	\$114,199
Fuel and rent of power, cost.....	\$288,336	\$130,058	\$86,911
All other materials, cost.....	\$639,163	\$530,745	\$280,203
PRODUCTS.			
Total value.....	\$18,454,057	\$6,700,935	\$5,522,293
Duck:			
Pounds.....	17,122,700	(1)	(1)
Square yards.....	13,818,116	13,212,532	13,872,294
Value.....	\$10,405,028	\$8,846,524	\$8,478,118
Other woven goods:			
Pounds.....	4,777,844	(1)	(1)
Square yards.....	4,097,353	4,727,950	7,556,494
Value.....	\$3,726,519	\$802,760	\$959,385
All other products, value.....	\$4,323,415	\$2,141,651	\$1,085,845

¹ Figures not available.

Duck continues to be the outstanding product of the industry. It constituted 77.1 per cent of the yardage of woven goods in 1919, 73.6 per cent in 1914, 64.7 per cent in 1909, 62.1 per cent in 1904, and 74.1 per cent in 1899.

Printing and publishing (Table 26).—This table gives the number and aggregate circulation per issue of the newspapers and periodicals published in Maryland as reported at the censuses of 1919, 1914, and 1909.

The gain in aggregate circulation of all publications between 1914 and 1919 was 133,003, or 14.2 per cent of the total. The greatest gain for the five-year period from 1914 to 1919 was in the circulation of weekly publications. True to the record in many other states the number of weekly publications decreased considerably, but, notwithstanding this, the aggregate circulation per issue increased 44,328, or 27.5 per cent, due principally to the increases in circulation of race, manufacturing, and religious papers.

Of the daily circulation, 264,727, or 60.4 per cent, were reported by the 11 afternoon newspapers, a gain of 62,667, or 31 per cent, for the five-year period from 1914 to 1919. The increase in Sunday newspaper circulation for the same period was 73,379, or 27.6 per cent.

Of foreign-language publications there were 5 with a circulation of 11,900. Three were weeklies—1 in Bohemian, 1 in German, and 1 in Polish; there was 1 semimonthly in Yiddish and 1 monthly publication printed in English, French, German, and Spanish.

TABLE 26.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total	175	182	103	1,071,367	938,304	800,550
Daily.....	18	19	18	438,635	400,680	310,870
Sunday.....	3	4	5	339,193	265,817	182,582
Semiweekly ¹	3	3	3	14,149	12,862	18,075
Weekly.....	104	125	120	205,373	161,045	185,554
Monthly ²	28	18	13	53,579	89,670	100,069
Quarterly ³	19	13	4	20,435	8,200	3,400

¹ Includes in 1919, 1914, and 1909, 1 triweekly.

² Includes in 1919, 3, and in 1914, 2 semimonthlies.

³ Includes in 1919, 8 bimonthlies; in 1914, 1 bimonthly and 1 "All other"; and in 1909, 2 semimonthlies.

Power laundries (Table 27).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 27, however, summarizes the statistics for such laundries in the state of Maryland for 1919 and 1914.

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TABLE 27.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Percent of in- crease, 1914- 1919.
	1919	1914	
Number of establishments.....	46	54	—1.7
Persons engaged.....	1,888	1,921	-1.7
Proprietors and firm members.....	39	62	62
Salaried employees.....	230	144	59.7
Wage earners (average number).....	1,619	1,715	-5.6
Primary horsepower.....	2,341	2,211	5.9
Capital.....	\$1,519,051	\$1,164,371	30.5
Salaries and wages.....	1,254,957	697,967	79.8
Salaries.....	286,507	104,175	175.0
Wages.....	968,450	593,792	63.1
Paid for contract work.....	1,514	—	—
Rent and taxes.....	47,020	43,389	10.4
Cost of materials.....	600,733	259,456	166.2
Amount received for work done.....	2,610,686	1,391,902	89.7

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

Dyeing and cleaning (Table 28).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from hand trades, household industries, etc.

TABLE 28.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	9
Persons engaged.....	598
Proprietors and firm members.....	7
Salaried employees.....	150
Wage earners (average number).....	441
Primary horsepower.....	721
Capital.....	\$1,072,556
Salaries and wages.....	402,704
Salaries.....	153,003
Wages.....	249,701
Paid for contract work.....	6,134
Rent and taxes.....	62,855
Cost of materials.....	154,711
Amount received for work done.....	1,011,843

GENERAL TABLES.

Table 31 gives for 1919, 1914, and 1909 for selected industries in the state and in Baltimore the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products; and for Cumberland, Frederick, and Hagerstown, similar data for all industries combined.

Custom gristmills and custom sawmills (Tables 29 and 30).—Statistics for custom gristmills and custom sawmills are not included in the general tables nor in the totals for manufacturing industries. Data for these custom mills were not collected in 1914. Tables 29 and 30 summarize the statistics for such mills for 1919 and 1909. The value of products for custom gristmills represents the selling value of all grain milled, and for the sawmills the amount charged for the work performed.

TABLE 29.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Percent of in- crease, 1909- 1919.
	1919	1909	
Number of establishments.....	68	114	-42.1
Persons engaged.....	86	148	-41.9
Proprietors and firm members.....	71	129	-45.0
Salaried employees.....	15	18	—
Wage earners (average number).....	1,330	2,123	-37.4
Primary horsepower.....	\$179,805	\$181,625	-1.0
Capital.....	10,422	5,722	82.1
Salaries and wages.....	—	250	—
Salaries.....	10,422	5,472	90.5
Wages.....	2,291	4,285	-46.5
Rent and taxes.....	463,996	300,939	16.5
Cost of materials ²	550,547	484,793	14.8
Value of products ²	—	—	—

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.

² Includes estimate of all grain ground.

TABLE 30.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of in- crease, 1909- 1919.
	1919	1909	
Number of establishments.....	131	126	4.0
Persons engaged.....	222	435	-49.0
Proprietors and firm members.....	147	158	-7.0
Salaried employees.....	1	—	—
Wage earners (average number).....	75	276	-72.8
Primary horsepower.....	2,353	2,492	-5.6
Capital.....	\$142,579	\$196,099	-27.3
Salaries and wages.....	51,725	69,779	-25.9
Salaries.....	—	100	—
Wages.....	51,725	69,679	-25.8
Rent and taxes.....	980	1,025	-4.4
Cost of materials.....	12,278	2,157	469.2
Amount received for work done.....	130,586	178,450	-24.7

¹ A minus sign (—) denotes decrease.

Table 32 presents for 1919 for the state as a whole and for Baltimore statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments; and for Annapolis, Cumberland, Frederick, and Hagerstown, similar data for all industries combined.

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TABLE 31.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value of	INDUSTRY AND CITY.	Cen-	Num-	Wage	Pri-	Wages	Cost of	Value of		
		estab-	ers	horse-		ri-	ducts			estab-	ers	horse-		ates	ri-	ducts	
Expressed in thousands.								Expressed in thousands.									
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.																	
All industries.....	1919	4,937	140,342	406,768	\$147,867	\$549,347	\$873,945	Foundry and machine-shop products. ⁴	1919	391	7,183	15,733	\$9,188	\$12,510	\$31,581		
	1914	4,797	111,585	263,753	53,792	238,072	377,740		1914	179	4,423	8,477	2,720	5,122	10,659		
	1909	4,837	107,921	218,244	45,436	199,049	315,669		1909	157	4,708	6,785	2,751	5,056	11,978		
Automobile bodies and parts.....	1919	35	233	422	279	438	1,034	Furnishing goods, men's.....	1919	29	4,075	1,642	2,288	8,297	14,596		
	1914	10	54	83	35	62	210		1914	15	561	94	192	611	1,142		
	1909	7	595	242	278	824	1,447		1909	26	436	53	155	404	895		
Boots and shoes.....	1919	13	986	582	794	3,107	4,662	Furniture.....	1919	47	1,645	3,358	1,547	2,990	6,828		
	1914	7	595	242	278	824	1,447		1914	45	1,098	2,892	1,012	1,823	3,784		
	1909	14	594	252	239	912	1,431		1909	48	1,850	2,376	835	1,601	3,350		
Boxes, paper and other, not elsewhere specified.....	1919	23	1,898	2,099	1,430	3,406	6,234	Gas, illuminating and heating.....	1919	10	875	2,831	1,272	2,858	6,448		
	1914	21	905	611	292	625	1,279		1914	18	1,234	1,677	308	1,405	4,187		
	1909	17	684	365	183	395	853		1909	18	476	1,555	220	629	3,223		
Brass, bronze, and copper products.....	1919	20	926	7,362	1,039	2,998	5,058	Glass.....	1919	8	1,755	1,848	1,643	1,030	4,032		
	1914	15	392	2,078	243	753	1,173		1914	6	1,184	1,030	783	400	1,501		
	1909	17	219	243	98	432	748		1900	7	1,052	427	505	237	1,038		
Bread and other bakery products.....	1919	424	2,381	2,356	2,308	12,888	20,494	Hats, straw.....	1919	7	1,385	1,188	1,030	1,975	4,719		
	1914	523	2,083	2,220	1,027	4,630	8,098		1914	7	2,173	1,307	1,040	2,392	4,826		
	1909	510	1,962	1,212	803	4,363	6,868		1909	7	1,094	930	698	1,783	3,347		
Brick and tile, terra-cotta, and fire-clay products.....	1919	30	1,207	6,147	1,099	1,113	3,207	Ice, manufactured.....	1910	61	632	11,033	709	977	2,717		
	1914	41	1,721	6,255	720	498	1,645		1914	62	532	11,403	325	422	1,568		
	1909	56	1,946	6,151	779	455	1,728		1909	42	355	7,102	230	300	1,022		
Brushes.....	1919	9	771	868	500	1,894	3,500	Knit goods.....	1919	7	749	606	367	1,773	2,037		
	1914	9	550	813	297	1,051	1,862		1914	10	1,077	443	344	644	1,118		
	1909	11	488	555	218	648	1,124		1900	11	1,022	460	234	697	1,172		
Butter and condensed milk.....	1919	15	88	304	83	1,453	1,790	Leather goods ⁶	1919	37	286	185	241	727	1,304		
	1914	32	61	452	34	403	583		1914	54	244	163	129	458	813		
	1909	44	69	522	39	524	654		1900	43	326	182	150	607	1,043		
Canning and preserving ¹	1919	460	8,023	16,003	3,932	21,987	30,566	Leather, tanned, curried, and finished.....	1919	7	517	1,630	470	4,356	5,263		
	1914	465	8,640	10,698	2,402	12,958	18,029		1914	10	440	1,458	220	2,620	3,485		
	1909	468	8,613	7,007	1,926	10,090	13,709		1909	13	466	1,321	211	2,114	2,061		
Cars and general shop construction and repairs by electric-railroad companies.....	1919	6	927	591	1,176	647	1,904	Lime.....	1919	36	468	2,111	263	551	1,049		
	1914	5	589	66	356	233	653		1914	25	236	805	99	152	300		
	1909	5	538	217	260	201	483		1909	43	397	942	128	132	420		
Cars and general shop construction and repairs by steam-railroad companies.....	1919	17	8,363	14,341	11,627	9,498	22,837	Liquors, malt.....	1919	8	597	4,383	917	1,573	6,374		
	1914	20	5,969	6,056	3,955	8,880	13,229		1914	14	1,073	6,836	945	2,166	7,252		
	1909	21	5,549	7,308	3,535	5,193	9,050		1900	20	909	6,187	711	1,569	5,000		
Clothing, men's, including shirts.....	1919	331	11,742	3,355	12,309	39,208	72,589	Lumber and timber products ⁴	1919	500	5,022	24,622	3,981	9,736	18,744		
	1914	301	18,062	7,317	20,598	30,048	30,048		1914	493	6,115	22,792	2,725	6,182	11,911		
	1909	359	19,784	4,061	7,503	20,908	36,021		1900	561	7,003	23,553	2,457	6,507	12,134		
Clothing, women's.....	1919	125	2,822	574	2,058	7,758	13,884	Marble and stone work.....	1919	83	503	1,507	645	802	1,968		
	1914	90	3,026	475	1,170	3,296	6,015		1914	102	600	3,212	579	783	1,831		
	1900	72	2,641	370	888	2,285	4,351		1900	89	1,455	4,241	793	957	2,427		
Coffee and spice, roasting and grinding.....	1919	15	203	575	160	4,602	5,884	Mattresses and spring beds, not elsewhere specified.....	1919	20	243	547	222	807	1,574		
	1914	14	169	494	84	3,174	4,393		1914	17	244	230	107	446	784		
	1909	15	169	531	77	2,431	2,878		1900	19	198	178	86	469	729		
Confectionery and ice cream ²	1919	170	3,008	6,349	2,124	11,336	17,095	Mineral and soda waters.....	1919	63	223	430	261	957	1,785		
	1914	127	1,707	2,443	618	3,097	4,843		1914	57	185	178	101	256	559		
	1909	29	173	120	108	597	1,414		1909	53	169	144	87	170	443		
Cooperage.....	1919	34	250	328	139	390	696	Oil, not elsewhere specified.....	1919	6	118	753	143	2,343	3,123		
	1909	40	323	441	135	358	617		1914	3	9	1	5	96	121		
Copper, tin, and sheet-iron products ³	1919	103	8,163	11,277	7,508	26,406	40,636	Paint and varnish.....	1919	17	263	711	279	2,453	3,466		
	1914	7	712	7,308	4,078	16,717	25,491		1914	9	145	453	82	670	1,027		
	1909	81	5,275	5,532	2,076	10,808	16,099		1900	12	127	450	55	700	1,001		
Cotton goods.....	1919	14	3,416	17,323	2,991	11,428	18,455	Paper and wood pulp.....	1919	10	1,408	18,148	1,940	6,816	9,917		
	1914	13	3,424	16,975	1,230	4,452	6,701		1914	13	1,582	15,028	926	4,126	6,150		
	1909	16	3,968	13,128	1,139	4,012	5,522		1900	13	1,249	11,407	630	3,278	4,894		
Fertilizers.....	1919	45	3,102	16,400	3,561	24,695	37,014	Patent medicines and compounds and druggists' preparations ⁷	1919	70	1,461	1,036	1,018	8,430	15,800		
	1914	48	1,991	7,242	1,052	9,968	13,987		1914	83	1,053	1,424	432	2,389	5,970		
	1909	41	1,439	5,324	617	6,903	9,073		1900	83	1,103	683	420	2,167	5,548		
Flour-mill and gristmill products.....	1919	247	478	11,351	440	16,357	19,004	Paving materials.....	1919	31	693	4,860	707	442	1,483		
	1914	247	473	11,398	241	6,919	8,104		1914	16	548	3,000	295	384	888		
	1909	295	506	13,807	227	8,003	9,285		1900	371	3,386	3,694	1,905	2,464	8,300		
Food preparations, not elsewhere specified.....	1919	33	421	1,707	359	6,885	9,141	Printing and publishing ⁸	1919	385	4,391	5,540	4,937	9,115	23,835		
	1914	43	332	2,191	152	2,357	2,975		1914	308	4,178	7,013	2,652	3,715	11,263		
	1909	29	212	1,350	92	1,550	1,833		1900	371	3,386	3,694	1,905	2,464	8,300		

¹ Includes "canning and preserving, fish"; "canning and preserving, fruits and vegetables"; "canning and preserving, oysters"; and "pickles, preserves, and sauces."² Includes "chewing gum" in 1914.³ Includes "stamped and enameled ware, not elsewhere specified," and "tinware, not elsewhere specified."⁴ Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, cast-iron pipe"; "iron and steel, welding"; "machine tools"; "plumber's supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts"; in all years; and "bells" in 1914.⁵ Includes "s

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TABLE 31.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Continued.

INDUSTRY AND CITY.	Cen-sus year.	Num-ber of estab-lishments	Wage earners (aver-age num-ber).	Pri-mary horse-power.	Wages.	Cost of mate-rials.	Value of prod-ucts.	INDUSTRY AND CITY.		Cen-sus year.	Num-ber of estab-lishments	Wage earners (aver-age num-ber).	Pri-mary horse-power.	Wages.	Cost of mate-rials.	Value of prod-ucts.
								Expressed in thousands.						Expressed in thousands.		

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

Shipbuilding, including boat building.	1919	42	19,084	26,530	\$28,887	\$31,000	\$67,310	Tobacco, cigars and cigarettes.	1919	146	2,548	460	\$1,918	\$3,551	\$8,190
	1914	42	2,468	5,979	1,573	2,102	4,521		1914	217	3,212	354	1,184	2,454	5,362
	1909	46	1,793	6,795	1,098	1,849	3,535	Umbrellas and canes.	1919	8	377	47	220	1,803	2,730
Silk goods.	1910	6	839	1,505	456	708	1,534		1914	4	484	123	172	987	1,002
	1914	5	874	1,012	283	424	911		1909	9	614	95	168	1,076	1,050
	1909	4	655	915	160	237	512	All other industries.	1919	643	21,618	145,227	23,791	186,394	242,092
Slaughtering and meat packing. ¹	1910	72	1,664	5,053	2,078	34,948	43,228		1914	673	14,052	77,571	7,755	79,408	105,800
	1914	60	1,292	4,102	780	14,136	17,100		1909	963	19,987	65,505	8,884	70,739	99,579
	1909	54	1,034	3,024	604	11,503	13,653								
Stoves and hot-air furnaces..	1919	6	329	482	419	548	1,251								
	1914	7	302	277	178	246	650								
	1909	8	394	273	209	205	676								

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

BALTIMORE.....	1919	2,797	97,814	184,885	\$103,120	\$427,756	\$877,878	BALTIMORE—Con.								
All industries.	1914	2,502	73,769	99,869	35,509	120,533	215,172	Hats, straw.....	1919	7	1,385	1,186	\$1,030	\$1,975	\$4,719	
	1909	2,502	71,444	76,764	107,024	186,978			1914	7	2,173	1,307	1,040	2,392	4,826	
Bread and other bakery products.	1919	335	2,018	1,800	2,044	10,833	17,600		1909	7	1,694	930	688	1,783	3,347	
	1914	363	1,632	1,817	820	3,751	6,606	Ice, manufactured.....	1919	19	442	8,391	536	593	1,903	
	1909	375	1,632	976	750	3,639	5,718		1914	12	307	6,913	190	252	1,000	
Canning and preserving ²	1919	62	2,490	3,544	1,688	8,754	12,526		1909	12	195	5,102	151	222	694	
	1914	49	3,346	1,985	1,028	5,684	7,789	Leather goods ³	1919	19	181	143	171	543	910	
	1909	51	3,166	1,283	844	4,317	5,831		1914	38	216	154	115	415	728	
Cars and general shop construction and repairs by steam-railroad companies.	1919	8	4,978	10,284	6,203	7,006	14,421		1909	35	306	181	143	560	983	
	1914	7	3,490	3,288	2,302	7,431	10,039	Lumber and timber products. ⁴	1919	56	2,074	8,354	1,692	5,038	8,475	
	1909	8	4,163	6,318	2,705	4,383	7,365		1914	42	2,082	6,678	1,008	2,971	5,073	
Clothing ⁵	1919	407	13,349	3,401	13,741	45,233	83,466		1909	48	2,016	5,009	894	3,022	4,805	
	1914	353	20,219	6,220	8,277	23,632	44,482	Marble and stone work.....	1919	44	409	1,019	515	613	1,532	
	1909	393	21,188	4,133	8,204	22,951	40,602		1914	51	501	1,746	404	681	1,301	
Coffee and spice, roasting and grinding.	1919	15	203	575	160	4,602	5,884		1909	48	742	1,420	485	758	1,704	
	1914	14	109	494	84	3,174	4,393	Patent medicines and compounds and druggists' preparations. ⁶	1919	67	1,433	2,269	1,001	8,247	15,436	
	1909	15	169	531	77	2,431	2,878		1914	71	1,034	1,337	420	2,337	5,878	
Confectionery and ice cream ⁷	1919	103	2,862	5,611	1,904	10,681	16,067		1909	71	1,180	667	420	2,136	5,471	
	1914	75	1,039	2,046	585	2,922	4,552	Printing and publishing ¹⁰	1919	252	3,799	4,899	4,396	8,388	21,850	
Copper, tin, and sheet-iron products. ⁸	1919	91	8,038	11,179	7,402	25,948	39,877		1914	243	3,609	6,387	2,358	3,452	20,284	
	1914	98	6,280	5,638	3,284	12,182	18,842		1909	238	2,866	8,194	1,747	2,227	7,563	
	1909	58	4,172	4,297	1,675	8,172	12,833	Shipbuilding, wooden, including boat building.	1919	16	1,244	8,247	1,800	1,460	4,012	
Fertilizers.....	1919	19	2,660	15,807	3,080	21,104	32,293		1914	11	194	656	122	153	350	
	1914	8	781	2,581	405	4,150	6,201	Slaughtering and meat packing. ¹	1919	63	1,609	5,559	2,023	34,056	42,205	
	1909	9	578	2,030	251	3,825	6,050		1914	51	702	2,122	414	7,884	9,504	
Food preparations, not elsewhere specified.	1919	28	318	1,576	313	6,698	8,846		1909	48	808	2,611	470	8,652	10,082	
	1914	43	332	2,191	152	2,357	2,975	Tobacco, cigars and cigarettes.	1919	121	2,282	411	1,733	3,221	7,459	
Foundry and machine-shop products. ⁹	1919	240	5,914	12,517	7,815	9,523	25,209		1914	217	3,212	354	1,184	2,451	5,362	
	1914	109	3,071	5,603	1,922	3,561	7,688	Umbrellas and canes.....	1919	8	377	47	220	1,803	2,730	
	1909	101	3,710	4,576	2,205	4,204	6,074		1914	8	484	123	172	987	1,602	
Furnishing goods, men's.....	1919	22	3,900	1,590	2,202	7,877	13,961		1909	9	514	95	168	1,076	1,650	
	1914	15	561	94	192	611	1,142	All other industries.....	1919	758	34,744	79,341	40,230	201,082	290,439	
	1909	23	434	50	137	492	891		1914	583	16,292	38,303	8,232	25,969	51,925	
Furniture.....	1919	37	1,105	1,826	1,131	2,298	5,158		1909	919	20,705	30,966	8,534	31,160	58,272	
	1914	34	1,304	1,787	733	1,231	2,732									
	1909	34	1,157	1,786	548	1,014	2,197									

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

CUMBERLAND.....	1919	82	8,753	10,317	\$4,724	\$8,292	\$15,842	HAGERSTOWN.....	1919	122	4,029	9,532	\$4,109	\$10,401	\$17,663
	1914	74	2,817	8,098	1,519	3,993	7,113		1914	113	3,574	6,425	1,733	4,318	7,412
	1909	71	1,036	5,119	948	2,676	4,534		1909	76	1,718	2,068	583	1,798	3,197

¹ Includes "sausage, not made in slaughtering and meat-packing establishments."

² Includes "canning and preserving fish"; "canning and preserving fruits and vegetables"; and "pickles, preserves, and sauces."

³ Includes "clothing, men's"; "clothing, women's"; and "shirts."

⁴ Includes "chewing gum" in 1914.

⁵ Includes "stamped and enameled ware, not elsewhere specified"; and "tinware, not elsewhere specified."

⁶ Includes "automobile repairing"; "engines, steam, gas, and water"; "gas machines and gas and water meters"; "hardware"; "iron and steel, welding"; "machinery tools"; "plumbers' supplies, not elsewhere specified"; "pumps, steam and other power"; "steam fittings and steam and hot-water heating apparatus"; "structural ironwork, not made in steel works or rolling mills"; and "textile machinery and parts" in all years; "bells" in 1914; and "iron and steel, cast-iron pipe," in 1919.

⁷ Includes "saddlery and harness" and "trunks and valises."

⁸ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with sawmills"; and "window and door screens."

⁹ Includes "perfumery and cosmetics."

¹⁰ Includes "engraving, steel and copper plate, including plate printing," and "lithographing" in all years; and "bookbinding and blank-book making" in 1914 and 1909.

MANUFACTURES—MARYLAND.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.						WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16	
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

													Dollars.				
													619,606,983				
1	All industries.....	4,937	165,875	5,129	5,755	10,161	4,488	140,342	Oc 160,567	Ap 129,128	(3)	(3)	(3)	(3)			
2	Artificial flowers.....	4	75	5	5	1	—	64	Mh 78	Ja 53	59	4	46	1	8	139,805	
3	Artificial limbs.....	3	7	2	1	—	1	3	(4) 3	(4) 3	4	1	—	—	9,025		
4	Artificial stone products.....	21	86	10	6	1	1	59	Se 86	Fe 37	72	72	—	—	170,788		
5	Automobile bodies and parts.....	35	326	36	21	28	8	233	Se 249	Ja 216	251	246	5	—	701,289		
6	Automobile repairing.....	212	1,617	233	101	117	65	1,101	De 1,201	Ja 995	1,207	1,201	3	3	3,315,160		
7	Awnings, tents, and sails.....	16	100	15	12	6	2	65	Je 82	Fe 52	71	55	16	—	207,927		
8	Bags, other than paper, not including bags made in textile mills.....	12	225	8	13	14	7	183	Au 197	My 164	187	79	107	1	1	804,321	
9	Baking powders and yeast.....	7	223	5	11	29	9	189	Oc 209	Ja 125	187	165	22	—	681,603		
10	Baskets, and raffia and willow ware.....	16	69	18	1	1	1	48	Se 57	Fe 35	54	54	—	—	42,842		
11	Blacking, stains, and dressings.....	6	50	5	3	20	4	18	Ja 5	19	Ap 5	16	19	9	—	75,144	
12	Bookbinding and blank-book making.....	15	206	20	5	5	4	172	Ja 179	Ja 161	177	84	81	8	4	395,870	
13	Boots and shoes.....	13	1,104	6	54	33	25	986	Oc 1,121	Ja 853	1,116	602	399	37	18	3,588,139	
14	Boxes, cigar.....	6	179	7	1	1	1	109	No 183	Ja 154	132	66	100	6	1	150,803	
15	Boxes, paper and other, not elsewhere specified.....	23	2,118	14	80	87	39	1,898	—	—	2,144	1,077	863	93	111	4,225,697	
16	Shipping containers.....	4	353	—	14	14	13	312	No 351	Fe 278	345	181	128	8	28	717,928	
17	Set-up paper boxes.....	13	409	11	19	5	9	365	No 405	Ja 312	404	98	264	11	41	456,878	
18	All other.....	6	1,356	3	47	68	17	1,221	Oc 1,723	Ap 898	1,395	798	481	74	42	3,050,801	
19	Boxes, wooden packing, except cigar boxes.....	39	2,131	29	92	29	9	1,972	Jy 2,157	Se 1,862	2,112	1,916	185	11	—	3,616,335	
20	Brass, bronze, and copper products.....	20	1,051	11	41	50	23	926	De 903	Mh 828	903	930	51	3	—	4,530,936	
21	Bread and other bakery products.....	424	3,400	446	84	381	108	2,381	De 2,547	Fe 2,238	2,499	1,896	584	17	2	7,644,608	
22	Brick and tile, terra-cotta, and fire-clay products.....	30	1,341	12	75	29	18	1,207	—	—	1,308	1,285	—	—	—	7,518,743	
23	Building brick.....	20	718	11	45	15	6	641	Au 819	Ja 373	740	740	—	—	—	5,235,618	
24	Fire brick.....	5	408	—	19	3	8	438	Ja 409	De 400	377	—	23	—	—	963,682	
25	All other.....	5	155	1	11	11	4	128	No 214	Ja 71	168	108	—	—	—	1,319,443	
26	Brooms.....	23	334	21	11	13	5	284	No 307	Ja 267	309	228	60	15	6	478,746	
27	Brushes.....	9	965	8	46	87	53	771	Ja 800	Se 735	800	610	158	24	8	2,787,581	
28	Butter.....	10	18	7	2	—	—	9	Ja 11	Mh 8	10	9	1	—	—	72,400	
29	Canning and preserving, fish.....	23	251	42	—	1	—	208	Ap 466	Jy 102	554	448	96	4	6	136,325	
30	Canning and preserving, fruits and vegetables.....	406	8,785	597	310	147	86	7,645	—	—	26,002	9,281	15,310	227	204	20,700,946	
31	Canned vegetables.....	379	7,451	592	275	112	67	6,435	Se 24,307	Ja 1,024	23,178	8,779	14,003	214	182	18,282,047	
32	Canned fruits and dried fruits.....	27	1,334	35	35	35	19	1,210	Au 2,646	Fe 332	1,824	482	1,307	13	22	2,478,899	
33	Canning and preserving, oysters.....	5	61	1	5	2	6	47	De 117	Mh 10	110	78	32	—	—	72,417	
34	Carriages and wagons, including repair work only.....	42	206	57	3	3	1	142	—	—	145	145	—	—	—	310,018	
35	Carriages and wagons.....	20	146	28	1	3	1	113	My 118	Oc 31	116	116	—	—	—	253,116	
36	Repair work only.....	22	60	29	2	—	—	29	De 875	Ja 875	29	29	—	—	—	56,002	
37	Cars and general shop construction and repairs by electric-railroad companies.....	6	965	—	17	16	5	927	Ja 1,062	De 875	893	826	67	—	—	1,222,232	
38	Cars and general shop construction and repairs by steam-railroad companies.....	17	8,842	—	236	187	56	8,363	Fe 8,803	Ja 7,909	8,402	8,273	120	—	—	11,594,900	
39	Chemicals.....	8	950	—	30	92	81	797	No 975	Ja 651	784	778	11	—	—	7,890,204	
40	Cleansing and polishing preparations.....	7	27	8	4	7	2	8	Ja 10	Se 6	11	8	3	—	—	72,383	
41	Cloth, sponging and refining.....	4	53	5	3	2	1	42	De 44	Ja 40	44	44	—	—	—	83,772	
42	Clothing, men's.....	284	11,708	398	425	1,032	657	9,256	—	—	10,899	5,648	5,105	20	117	34,082,260	
43	Regular factories.....	144	10,056	232	420	1,030	652	7,722	—	—	9,146	4,607	4,395	27	117	33,798,098	
44	Men's and youths'.....	119	8,892	194	379	904	628	6,097	De 7,896	Ap 6,184	7,897	4,362	3,434	19	82	30,648,807	
45	Boys'.....	8	351	12	24	13	8	290	De 423	Ap 192	423	71	331	6	15	1,430,701	
46	All other.....	17	843	26	29	42	11	735	De 827	Ja 629	826	174	630	2	20	1,713,430	
47	Contract work.....	140	1,712	168	5	2	5	1,534	—	—	1,753	1,041	710	2	—	283,262	
48	Men's and youths'.....	123	1,495	143	4	1	1	1,346	De 1,476	Ja 1,285	1,469	987	480	2	—	219,377	
49	Boys'.....	10	91	13	—	—	—	78	De 82	Ja 74	98	50	48	—	—	21,313	
50	All other.....	7	126	10	1	1	4	110	De 177	My 34	186	4	182	—	—	42,572	
51	Clothing, men's, buttonholes.....	12	48	14	—	—	—	34	(4)	34	35	20	13	2	—	22,125	
52	Clothing, women's.....	125	3,492	168	119	279	106	2,822	—	—	3,224	631	2,674	3	16	6,011,205	
53	Regular factories.....	113	3,303	156	111	279	93	2,064	—	—	3,041	617	2,408	1	15	5,940,509	
54	Suits, skirts, and cloaks.....	51	741	75	19	68	18	501	Se 708	Ja 425	622	361	261	—	—	1,535,668	
55	Shirt waists and dresses, except house dresses.....	14	626	20	26	49	16	515	Oc 595	Ja 421	596	47	547	2	—	851,082	
56	Undergarments, petticoats, wrappers, and house dresses.....	6	194	7	10	17	7	153	Se 160	Ja 137	153	21	131	1	—	660,221	
57	All other.....	42	1,742	54	56	145	52	1,435	De 1,083	Fe 1,302	1,670	188	1,469	1	12	2,890,638	
58	Contract work.....	12	190	10	8	—	—	13	158	No 138	183	14	166	2	1	64,696	
59	Coffee and spice, roasting and grinding.....	15	354	11	23	82	35	203	Au 5	217	Ja 189	211	128	78	1	4	3,393,977
60	Condensed milk.....	5	93	—	6	2	6	79	Ja 89	Mh 55	82	81	1	—	—	502,779	
61	Confectionery and ice cream.....	170	3,612	190	99	187	128	3,008	—	—	3,784	1,322	2,371	14	77	8,402,750	
62	Confectionery.....	86	2,936	95	67	159	94	2,521	No 3,334	Jy 1,037	3,315	888	2,337	13	77	6,285,076	
63	Ice cream.....	84	676	95	32	28	34	487	Jy 621	Ja 381	409	434	34	1	—	2,117,074	
64	Cooperage.....	29	225	33	10	4	5	173	No 201	Fe 148	204	203	1	—	—	759,150	
65	Copper, tin, and sheet-iron work.....	73	599	88	34	22	13	444	No 483	My 402	480	473	6	1	—	1,269,357	
66	Cotton goods.....	14	3,716	3	90	124	83	3,416	Fe 3,621	Ja 3,310	3,440	1,743	1,658	24	15	16,441,008	
67	Cutlery and edge tools.....	4	18	5	1	—	—	12	(4)	12	12	12	12	—	—	21,102	

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).³ No figures given for reasons stated under "Explanation of terms".

MANUFACTURES—MARYLAND.

COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.									POWER.									Electric horse-power generated in establishments reporting.
Salaries and wages.			Rent and taxes.			For materials.			Value of products.	Value added by manufacture.	Primary horsepower.						Electric horse-power generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines	Internal-combustion engines.	Water power. ¹	Rented. ²					Electric horse-power generated in establishments reporting.
7,656	2,471	36,175	664	3,561	1,344	59,892	1,635	159,453	97,926	6	...	...	...	...	...	...	6
1,800	364	5,008	...	699	192	4,004	379	17,656	13,273	7	...	...	...	...	...	...	3
9,200	2,080	49,062	...	2,365	1,135	87,966	2,850	169,994	79,109	143	...	...	...	...	...	...	4
49,102	55,992	278,035	2,871	10,355	10,998	425,208	12,515	1,034,364	596,611	422	...	...	...	...	...	...	5
208,767	150,606	1,288,909	37,201	100,753	48,750	2,310,773	52,524	4,874,344	2,505,047	1,004	4	119	...	...	...	...	6
64,540	11,065	78,662	1,098	10,967	6,805	305,313	2,480	611,491	243,698	40	...	...	...	...	...	...	7
67,888	24,458	133,520	...	8,416	58,231	2,721,757	4,132	3,132,888	406,907	177	...	65	...	...	...	...	8
31,478	41,216	103,471	...	9,338	53,106	697,922	60,927	1,105,728	436,879	627	240	...	...	...	...	...	9
1,842	1,687	46,180	100	3,052	1,160	66,577	1,173	148,241	80,491	50	55	...	...	...	...	...	10
14,839	8,209	11,085	...	3,259	1,698	65,643	860	149,960	83,466	9	...	...	...	...	...	11	
8,100	10,023	182,669	1,712	10,054	2,739	240,213	4,689	546,371	301,460	77	...	...	...	...	...	12	
100,007	74,961	793,700	2,698	24,349	103,422	3,085,084	21,949	4,662,351	1,555,318	582	70	...	...	...	...	...	13
2,496	1,991	98,000	887	1,620	1,137	105,778	3,008	377,053	208,208	80	45	...	...	...	...	...	14
281,163	152,285	1,430,144	6,810	34,100	112,505	3,332,264	73,477	6,234,094	2,828,353	2,090	605	...	...	...	...	...	15
74,760	40,950	231,774	...	7,993	19,731	687,957	15,624	1,226,694	523,113	268	60	...	...	...	...	...	16
37,805	16,072	211,411	6,810	17,070	4,508	324,032	7,248	819,928	244	20	24	...	...	...	...	...	17
108,588	88,303	956,059	9,046	88,326	2,320,275	50,605	4,187,472	1,810,592	1,587	555	68	...	...	...	...	...	18
303,324	61,953	1,344,552	5,229	30,658	86,501	3,032,052	16,491	6,503,613	2,854,470	6,549	5,615	250	20	...	...	...	19
147,034	106,342	1,030,207	...	17,365	73,533	2,816,346	179,707	5,057,684	2,061,571	7,362	200	25	...	...	...	...	20
251,816	717,976	2,367,522	20,515	71,886	425,024	12,611,025	287,078	20,494,018	7,595,915	2,356	302	85	...	...	...	...	21
171,034	49,789	1,099,219	329	2,011	55,272	686,071	425,506	3,207,405	2,094,928	6,147	4,547	...	...	...	...	...	22
90,338	15,366	573,896	...	594	23,940	117,643	261,751	1,423,890	1,044,490	3,874	3,682	...	...	...	...	...	23
38,595	9,130	375,130	329	14,691	108,792	77,081	692,709	506,838	1,489	750	...	...	...	...	...	24	
42,101	21,293	150,103	...	1,417	10,641	460,566	86,734	1,090,866	543,506	784	115	...	...	...	...	...	25
57,390	19,828	185,042	30	1,716	4,622	610,034	7,732	864,702	236,336	110	...	...	...	...	...	26	
154,177	184,707	500,010	51,149	9,000	104,368	1,887,251	26,598	3,508,919	1,615,070	868	471	...	...	...	...	...	27
2,040	10,548	55	321	1,355	166,855	4,377	205,745	34,613	122	115	...	...	...	...	...	28	
936	73,623	2,000	1,701	1,534	253,143	3,027	411,489	154,419	213	107	...	...	...	...	...	29	
718,857	212,300	3,744,010	5,044	103,350	350,882	20,305,307	294,822	28,421,514	7,761,415	15,551	18,122	412	566	...	...	...	30
542,103	152,777	2,984,855	4,960	66,690	271,766	15,838,486	220,058	21,822,943	5,755,399	13,834	11,786	412	555	...	...	...	31
176,175	59,528	760,034	75	36,651	79,116	4,520,821	65,764	6,508,601	2,006,016	1,717	1,336	...	...	...	...	...	32
15,405	13,023	28,634	7,507	4,575	1,085	300,448	1,015	640,206	338,743	27	25	...	...	...	...	...	33
4,920	3,530	165,118	515	4,774	6,642	174,706	6,783	454,903	276,414	209	...	...	...	...	...	...	34
1,800	3,530	132,514	465	1,448	5,874	142,112	5,134	354,880	207,634	155	...	...	...	...	...	...	35
3,120	30,604	50	3,326	768	29,654	1,049	100,083	68,790	54	...	...	...	...	...	...	...	36
44,780	19,131	1,170,002	...	17,224	630,522	7,045	1,904,353	1,257,788	591	...	...	...	...	...	...	...	37
630,580	331,680	11,027,441	...	8,776	9,128,451	369,441	22,837,066	13,330,174	14,341	6,880	50	10	...	...	...	...	38
204,211	152,122	1,000,437	3,000	71,286	2,815,629	382,629	5,277,426	2,079,268	6,568	1,435	3,425	10	...	...	...	...	39
6,725	10,251	6,110	9,163	1,844	1,148	30,326	360	65,727	35,041	19	...	...	...	...	...	40	
5,880	3,300	43,758	2,950	493	3,175	6,501	119,039	110,173	115	110	...	...	...	...	...	41	
1,455,172	2,888,200	10,046,100	5,404,300	405,223	433,274	30,849,753	159,360	60,414,498	29,405,385	2,457	1,265	78	...	...	...	...	42
1,443,005	2,885,654	8,842,411	5,380,700	377,041	430,705	30,819,916	129,613	58,028,322	27,078,703	2,122	1,205	42	...	...	...	...	43
1,342,777	2,746,218	8,258,821	5,07,970	349,385	416,520	20,537,511	106,187	51,872,351	25,228,653	1,464	860	20	...	...	...	...	44
15,400	81,841	206,908	102,507	14,702	2,047	1,240,925	5,958	1,902,826	655,943	86	...	...	...	...	...	45	
85,428	57,505	376,622	205,223	12,054	12,138	3,041,480	17,468	4,253,145	1,194,197	572	405	22	...	...	...	...	46
11,567	2,645	1,803,680	23,501	28,182	2,569	29,837	29,747	2,380,176	2,328,502	335	...	...	...	...	...	47	
10,987	1,050	1,077,362	22,504	26,517	2,181	14,344	26,209	2,187,705	2,147,242	259	...	...	...	...	...	48	
880	995	40,002	997	1,605	164	2,478	1,436	122,322	118,408	20	...	...	...	...	...	49	
580	46,325	...	224	13,460	13,460	2,102	70,059	60,942	50	50	...	...	...	...	...	50	
388,126	503,141	2,058,275	156,513	142,127	185,070	7,718,857	38,955	13,884,281	6,126,469	574	...	...	...	...	...	51	
383,335	500,597	1,993,020	154,744	139,234	100,216	7,435,932	37,034	13,374,795	5,901,829	542	...	...	...	...	...	52	
52,076	130,237	632,878	31,220	4,533	2,298,601	13,769	3,933,408	1,681,028	146	...	...	...	...	...	...	53	
77,249	81,257	313,960	4,183	24,038	1,567	1,046,347	3,866	1,870,795	820,582	90	...	...	...	...	...	54	
33,399	23,941	100,493	4,931	11,638	27,637	508,157	2,252	986,273	385,864	72	...	...	...	...	...	55	
215,611	265,182	930,080	114,401	67,298	126,479	3,552,827	17,147	6,584,319	3,014,345	234	...	...	...	...	...	56	
2,791	2,544	65,255	1,769	2,893	24,854	282,925	1,921	509,458	224,640	32	...	...	...	...	...	57	
142,400	227,720	160,303	...	19,084	64,210	4,603,038	28,695	5,884,333	1,192,600	575	...	...	...	...	...	58	
13,065	14,352	71,977	...	13,336	1,246,251	35,313	1,584,148	302,584	272	270	...	...	...	...	...	59	
439,098	364,897	2,123,842	6,081	93,685	502,640	11,111,086	225,330	17,995,051	6,688,665	6,349	953	277	...	...	...	60	
363,382	287,085	1,614,083	...	81,667	478,636	8,642,369	121,469	13,840,402	5,076,064	4,100	800	24	...	...	...	61	
75,716	76,912	508,859	6,081	12,018	24,004	2,468,217	103,361	4,184,679	1,582,601	2,249	153	253	1,343	17	62			
18,253	7,120	166,348	500	8,900	4,123	595,241	1,613	1,413,638	816,784	120	114	...	...	...	63		
95,085	53,450	564,109	960	18,927	28,934	930,554	14,995	2,108,939	1,161,390	634	112	...	...	...	64		

MANUFACTURES—MARYLAND.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.								
		Total.	Proprietors and firm members	Salaried officers, superintendents, and managers	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		Capital.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.								
1 Dental goods.....	6	52	8	75	3	41	No	44	Ja	38	42	32	2	8	Dollars. 23,570		
2 Druggists' preparations.....	13	1,198	11	75	294	122	No	756	Au	636	703	191	503	3	6 4,491,553		
3 Electrical machinery, apparatus, and supplies.....	13	177	8	16	8	8	No	143	Ja	134	144	129	15	.....	238,919	
4 Electroplating.....	6	56	8	2	3	43	De	48	Ja	38	48	47	1	1	78,321		
5 Engraving and diesinking.....	10	25	10	.....	1	.....	Jy	8	Fa	11	16	14	1	1	21,810	
6 Engraving, steel and copper plate, including plate printing.....	12	53	13	.....	1	2	My	42	Au	31	38	27	5	4	23,033	
7 Fancy articles, not elsewhere specified.....	5	280	3	26	7	3	Au	288	Ja	144	240	71	152	12	481,953		
8 Fertilizers.....	45	3,865	26	217	392	128	3,102	Mh	3,701	No	2,668	3,110	3,087	32	.....	35,236,201
9 Flavoring extracts.....	16	78	21	2	16	2	37	Jy	43	Ja	36	36	21	15	.....	140,612
10 Flour-mill and gristmill products.....	247	931	286	58	79	30	478	De	524	Ja	438	523	514	9	.....	7,503,887
11 Food preparations, not elsewhere specified.....	33	569	28	42	44	34	421	De	542	Au	343	536	319	99	80	2,888,460	
12 Foundry and machine-shop products.....	133	4,971	101	248	428	113	4,081	.....	.....	.....	4,317	3,900	322	4	1	14,216,729
13 Boiler shops.....	8	220	5	14	10	1	190	Se	220	Mh	162	206	206	.....	.....	380,773
14 Foundries.....	13	672	8	24	25	6	609	Do	673	Je	555	673	665	8	.....	1,103,169
15 Machine shops.....	98	2,323	81	156	179	84	1,823	De	2,140	Fe	1,559	2,132	1,813	314	4	6,261,142	
16 Machine shop and foundry combined.....	14	1,756	7	54	214	22	1,450	Ja	2,534	Se	1,212	1,306	1,306	.....	.....	6,471,645
17 Fur goods.....	21	123	21	5	5	11	81	De	112	Ap	57	111	47	64	30	318,717
18 Furnishing goods, men's.....	29	4,556	31	131	212	107	4,075	.....	.....	.....	4,274	435	3,500	30	210	9,550,690
19 Neckwear.....	12	244	17	29	46	8	144	Oc	165	Fe	117	165	40	124	1	653,215	
20 All other.....	17	4,312	14	102	166	99	3,931	De	4,080	Se	3,705	4,100	305	3,475	20	210	8,903,475
21 Furniture.....	47	1,972	56	81	139	51	1,645	.....	.....	.....	1,826	1,719	73	34	.....	5,967,355
22 Wood, rattan, willow, and metal furniture.....	41	1,661	48	74	111	44	1,384	De	1,566	Fe	1,230	1,534	1,431	70	33	4,071,521
23 Store and office fixtures.....	6	311	8	7	28	7	261	Oc	306	Ja	206	202	288	3	1	1,205,834	
24 Gas and electric fixtures.....	4	45	2	6	2	.....	35	Ja	38	Oc	32	32	21	11	.....	98,710
25 Gas, illuminating and heating.....	16	1,505	4	57	385	181	875	Au	988	Mh	738	950	956	3	.....	34,832,759
26 Gas machines and gas and water meters.....	4	313	.....	14	26	18	255	No	281	Ja	217	278	247	30	1	1,055,759
27 Glass.....	8	1,879	6	41	56	21	1,755	No	1,943	Au	1,252	1,001	1,577	270	37	17	2,360,036
28 Glass, cutting, staining, and ornamenting.....	5	32	6	4	.....	1	21	De	20	Ja	17	29	28	1	.....	70,247
29 Grease and tallow, not including lubricating greases.....	5	36	7	6	2	.....	21	(4)	21	(4)	21	20	20	.....	.....	134,173
30 Hardware.....	6	97	6	9	5	.....	77	Jy	84	Au	72	84	83	1	.....	245,059
31 Hats and caps, other than felt, straw, and wool.....	24	150	35	.....	13	4	98	No	111	My	88	118	80	38	.....	215,446
32 Hats, straw.....	7	1,526	2	39	68	32	1,385	Mh	1,460	Jy	1,236	1,491	524	951	3	13	4,265,510
33 Ice, manufactured.....	61	775	41	60	36	6	632	Au	850	Ja	426	783	781	2	.....	5,009,036
34 Instruments, professional and scientific.....	4	56	1	9	3	1	42	Ja	61	My	33	42	36	6	.....	130,650
35 Iron and steel, steel works and rolling mills.....	5	5,179	.....	79	124	32	4,044	Fe	5,725	My	4,021	5,443	5,300	83	.....	41,734,218
36 Iron and steel, welding.....	13	79	12	7	3	.....	57	Se	63	Fe	48	60	60	.....	.....	379,486
37 Jewelry.....	21	132	22	7	5	7	91	No	96	Oc	82	98	87	8	3	403,089	
38 Knit goods.....	7	809	3	43	6	8	749	De	873	Ap	643	873	152	689	9	23	1,035,487
39 Leather goods, not elsewhere specified.....	4	114	6	7	5	4	92	My	99	Mh	84	97	73	22	2	154,270
40 Leather, tanned, curried, and finished.....	7	574	5	31	15	6	517	Se	581	Ja	405	506	563	3	.....	5,547,285
41 Lime.....	36	546	31	26	14	7	468	Se	530	Oc	403	489	486	4	.....	813,019
42 Liquors, malt.....	8	727	1	45	73	11	597	Se	695	Ap	5	527	520	1	.....	7,132,608
43 Lithographing.....	6	664	11	22	62	27	542	De	673	Mh	507	576	517	52	0	1,362,192	
44 Looking-glass and picture frames.....	12	102	13	2	9	.....	78	Ja	88	Ja	65	88	77	7	4	157,252
45 Lumber and timber products.....	393	2,402	474	50	25	9	1,844	De	2,714	Au	1,450	3,360	3,335	3	22	3,205,763	
46 Lumber, planing-mill products, not including planing mills connected with sawmills.....	65	1,493	50	109	117	38	1,179	No	1,270	Ja	1,050	1,283	1,210	53	11	5,330,640	
47 Marble and stone work.....	83	720	83	36	29	9	563	.....	.....	.....	627	623	4	.....	.....	1,793,471
48 Monuments and tombstones.....	70	445	78	18	22	7	320	De	351	Ja	272	354	350	4	.....	1,112,737
49 All other.....	18	275	5	18	7	2	243	De	276	Ja	171	273	273	.....	.....	680,734
50 Mattresses and spring beds, not elsewhere specified.....	20	320	23	18	24	12	243	Au	258	Fe	228	247	106	49	2	973,220	
51 Millinery and lace goods, not elsewhere specified.....	22	822	25	17	6	10	255	.....	.....	.....	270	83	192	2	2	507,604
52 Embroideries.....	7	185	3	11	3	7	161	De	170	Ja	153	170	62	107	1	434,535
53 Trimmed hats and hat frames.....	9	106	14	3	2	11	76	Au	118	Ja	50	83	10	64	1	2	116,518
54 Dress and cloak trimmings.....	6	31	8	3	1	1	18	No	27	Ja	14	26	5	21	.....	46,551
55 Mineral and soda waters.....	63	353	64	29	24	13	223	De	280	Ja	180	239	220	8	2	904,820	
56 Minerals and earths, ground or otherwise treated.....	8	66	3	11	.....	2	50	Oc	68	Ja	22	69	68	1	.....	288,414
57 Models and patterns, not including paper patterns.....	9	49	9	2	.....	.....	38	De	44	Jy	31	38	30	.....	.....	101,204
58 Oil, not elsewhere specified.....	6	176	5	13	32	8	118	De	141	Ja	77	141	138	3	.....	1,157,743
59 Optical goods.....	6	120	3	8	21	23	65	My	69	Ja	63	64	51	10	3	412,948
60 Paints.....	14	374	15	29	52	20	258	Au	206	Ja	175	204	258	36	.....	2,142,270
61 Paper and wood pulp.....	10	1,511	7	24	57	15	1,408	Oc	1,807	Mh	623	1,760	1,630	130	.....	10,214,031
62 Patent medicines and compounds.....	55	1,054	43	72	145	95	699	Oc	735	Ja	663	734	318	378	15	23	5,180,926
63 Paving materials.....	31	765	30	25	13	4	693	My	1,008	Fo	348	707	707	14	23	1,433,784	
64 Perfumery and cosmetics.....	8	124	4	10	17	27	66	No	72	Ja	54	72	14	58	.....	215,785
65 Photo-engraving.....	6	117	.....	13	13	5	86	De	111	Ja	46	111	104	1	6	234,226

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MARYLAND.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.						
Salaries and wages.			Rent and taxes.			For materials.			Value added by manufacturer.	Primary horsepower.				Electric horse power generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²		
5,980	2,388	50,206	.....	2,370	976	58,345	3,169	155,532	94,018	77	.....	18	50	4
2,468	780	19,120	.....	2,335	40	13,377	4,09	52,904	30,118	13	.....	13	13	6
2,468	34,557	.....	555	3,442	37	36,896	815	110,669	72,958	13	.....	13	13	13
60,562	18,579	96,650	8,203	1,934	6,664	308,192	4,877	631,376	318,307	211	200	5	6	7	
784,270	670,652	3,561,181	2,994	42,600	781,275	24,271,436	423,282	37,014,037	12,319,379	16,400	2,257	733	112	13,298	
2,425	27,938	25,284	1,723	4,899	802	197,450	489	338,244	140,305	20	.....	6	14	9
151,610	102,093	449,132	3,612	22,100	93,553	16,168,388	189,083	19,004,169	2,646,698	11,351	2,909	45	1,929	40	
210,273	93,707	359,117	10,575	19,410	80,653	6,783,980	101,100	9,141,100	2,256,029	1,707	412	166	1,120	200	
903,829	478,801	4,901,223	36,895	77,037	566,535	5,187,657	372,225	15,720,929	10,161,047	10,613	1,759	200	412	12	
57,471	17,016	276,792	7,000	4,844	7,818	228,745	6,297	602,727	457,685	300	55	44	210	13	
93,203	37,390	785,331	3,648	4,330	79,312	513,094	94,751	1,809,373	1,301,528	1,658	61	.....	1,597	14
508,007	237,817	2,222,054	21,247	54,107	300,038	2,928,395	130,456	8,082,332	5,033,481	4,228	733	316	3,179	37	
244,248	186,530	1,737,046	5,000	13,750	179,307	1,517,423	140,721	5,026,497	3,368,353	4,418	910	200	52	3,256	
6,143	11,562	146,270	425	14,465	3,439	406,798	3,409	738,314	328,107	18	.....	18	18	17
408,870	511,762	2,288,208	154,365	97,467	450,230	8,255,057	44,864	14,595,923	6,200,002	1,642	949	6	687	270	
56,763	80,752	104,347	1,081	11,194	6,759	849,433	2,302	1,368,951	517,216	26	.....	26	26	19
352,107	461,010	2,183,861	182,384	86,273	433,471	7,402,624	42,562	13,226,972	5,781,780	1,016	949	6	661	270	
239,052	252,855	1,546,638	59,680	58,381	71,168	2,010,404	80,088	8,827,690	3,837,198	3,358	1,985	37	1,336	38	
211,732	183,098	1,252,873	59,680	44,239	65,704	2,473,017	69,750	5,014,630	3,070,957	3,000	1,910	37	1,053	38	
27,320	69,156	293,765	12,002	5,464	436,487	10,332	1,213,060	700,241	358	75	.....	283	283	23
19,580	2,200	34,631	4,422	1,007	83,594	1,263	84,773	21	.....	6	149	149	15	24
170,311	560,023	1,272,374	2,574	1,363	482,558	589,524	2,268,793	6,447,960	3,558,063	2,831	1,291	1,499	28	15	
44,960	51,368	285,343	5,571	5,500	25,569	403,036	12,205	1,350,132	873,091	222	50	50	172	26	
170,716	181,908	1,643,230	.....	680	172,219	650,500	382,249	4,031,841	2,093,002	1,848	275	.....	1,573	20
10,510	19,086	19,086	4,925	1,678	65,370	1,335	161,309	94,064	23	.....	23	23	23	28
9,938	2,070	22,381	.....	1,006	121,270	8,800	241,024	110,945	164	162	.....	2	2	29
22,500	7,214	80,657	3,300	1,805	65,220	44,487	337,063	227,356	136	.....	10	126	126	30
12,401	100,763	14,806	8,191	1,150	315,705	2,770	590,603	272,209	42	.....	42	42	42	31
237,513	223,710	1,020,845	40,502	211,808	1,930,567	44,473	4,719,150	2,744,110	1,186	800	.....	386	472	32
99,136	40,338	709,752	3,277	71,770	402,305	574,454	2,717,377	1,740,618	11,993	9,757	40	1,645	481	1,050	
16,430	5,059	36,480	7,215	476	57,486	1,761	143,538	84,281	43	.....	12	31	31	34
458,401	686,306	5,420,730	.....	11,345	154,201	18,540,005	1,473,532	10,884,154	4,863,717	47,426	14,435	4,195	26,000	35
16,538	3,070	94,042	2,346	3,808	17,335	89,537	7,512	325,030	227,981	281	192	35	54	36	
19,704	11,776	128,332	3,478	9,329	6,413	271,807	2,074	544,304	270,423	56	.....	16	40	27
89,086	26,030	306,857	40,321	30,023	27,371	1,744,356	28,181	2,687,496	914,950	606	200	.....	406	180
11,820	17,502	63,818	1,145	2,870	664	153,228	1,381	339,837	185,228	28	20	.....	8	39
187,700	32,050	470,115	112,116	4,282,093	73,446	6,263,468	1,907,027	1,630	1,024	.....	606	1,099	1,099	40
37,150	16,985	263,424	450	3,372	17,580	372,942	178,394	1,049,265	497,920	2,111	844	168	1,099	41	
348,838	158,320	916,771	400	1,388,424	1,418,797	154,019	6,373,713	4,800,897	4,388	3,061	1,223,735	807	387	42	
97,910	141,426	615,209	12,039	11,242	80,961	2,327,337	27,280	8,123,735	1,859,118	687	300	.....	31	44
2,820	11,225	77,078	10,750	840	105,107	2,360	384,340	158,313	31	.....	31	31	31	44
135,020	53,415	1,481,229	184,203	13,554	37,905	1,628,501	6,074	4,023,527	2,955,052	11,595	10,646	166	180	593	
355,731	193,011	1,121,020	18,461	38,501	104,004	4,350,631	59,567	7,509,347	3,033,149	6,203	3,270	230	2,703	15	
92,100	44,251	644,696	2,104	21,244	17,246	763,757	38,424	1,967,508	1,165,387	1,507	775	31	701	47	
59,394	33,466	388,588	2,104	20,200	12,764	0,203,402	19,690	1,447,561	804,409	741	400	31	310	48	
32,206	10,785	250,158	954	4,482	140,355	18,734	520,07	360,918	767,336	547	875	150	272	38	
102,593	43,145	221,918	397	26,218	704,857	11,741	1,573,934	767,336	547	125	.....	50	50	50
61,983	10,148	100,591	24,086	9,067	27,771	399,890	5,271	932,544	527,333	62	.....	1	61	51
53,575	7,545	101,501	24,086	3,448	21,769	108,511	3,081	564,617	363,025	40	.....	40	40	52
5,530	8,354	55,805	3,604	5,518	170,170	1,213	304,633	133,241	9	.....	1	8	53	53
2,878	249	12,195	2,825	484	31,200	977	63,294	31,117	13	.....	13	13	13	54
45,093	34,439	260,933	1,557	15,800	91,961	942,386	14,787	1,734,564	827,391	430	104	46	280	55	
10,520	1,094	40,600	2,178	1,738	52,576	8,940	189,927	128,411	933	189	50	50	184	56	
3,515	.....	61,993	.....	1,063	401	18,035	2,304	116,290	95,051	64	.....	12	52	57
39,550	54,821	142,909	.....	1,680	8,704	2,323,291	10,213	3,123,209	780,705	753	620	.....	133	58
45,305	29,272	65,609	.....	8,412	4,252	165,568	2,740	306,438	228,132	28	.....	28	28	59
100,068	127,001	273,022	.....	6,572	17,081	2,333,567	60,500	3,376,725	982,658	661	215	58	388	60
206,869	216,014	1,948,658	600	95,199	6,172,827	643,200	9,016,625	3,100,598	18,148	6,355	10,600	12	490	61	
316,443	360,053	524,700	3,008	14,614	612,356	4,755,072	30,915	8,878,122	4,092,135	1,210	105	9	1,096	62	
61,447	17,437	707,060	23,760	14,788	341,885	90,755	1,483,202	1,041,562	4,860	2,970	750	88	1,054	775	
23,025	88,410	31,450	4,561	4,102	279,335	2,369	521,491	239,787	22	.....	22	22	22	64
47,192	13,037	138,163	6,009	5,524	1,744	74,670	4,057	380,972	302,245	70	.....	70	70	65

¹ Same number reported for one or more other months.

² Same number reported throughout the year.

MANUFACTURES—MARYLAND.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Propri- etors and firm mem- bers	Salaried officers, super- intendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.	Minimum month.						

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	Pickles, preserves, and sauces.....	26	176	25	10	14	4	123	Je 237 Mh ^a 34 Oc 101 My 42 De 258 Mh 228 No ^b 57 Fe ^c 35	322	111	211	.....	Dollars. 724,105	
2	Preserves.....	5	83	4	7	11	2	59	.....	230	51	179	.....	424,803	
3	Pickles and sauces.....	21	93	21	3	3	2	64	.....	92	60	32	.....	299,302	
4	Pottery.....	4	272	3	16	4	3	246	.....	265	189	53	19	4	398,185
5	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	12	55	14	.....	.....	.....	41	.....	57	57	.....	.....	120,354	
6	Printing and publishing, book and job.....	210	3,003	188	190	211	171	2,243	De 2,411 Ap ^a 2,183	2,307	1,843	470	38	7	6,800,651
7	Printing and publishing, newspapers and periodicals.....	142	2,495	89	140	603	266	1,397	.....	1,423	1,287	111	23	2	4,970,311
8	Printing and publishing.....	10	1,607	10	48	406	152	931	Oc ^a 949 De 468	951	904	30	17	2	3,004,498
9	Printing, publishing, and job printing.....	88	704	67	67	60	48	462	Ja 442	467	380	79	6	2	1,656,043
10	Publishing without printing.....	44	184	12	25	77	66	4	De 5 No 361	5	3	2	.....	349,770	
11	Regalia, and society badges and emblems.....	5	67	4	4	2	5	52	Ap 61 Fe 45	54	33	17	1	3	85,120
12	Saddlery and harness.....	26	220	20	5	30	.....	159	Ap 174 Ja 124 No 132	158	143	15	.....	758,605	
13	Sausage, not made in slaughtering and meat-packing establishments.....	25	170	30	2	20	17	101	My 89	125	108	17	.....	377,865	
14	Shipbuilding, steel.....	4	18,142	.....	160	605	165	17,212	Ap 18,178 Au 10,127	16,357	16,356	1	.....	32,778,735	
15	Shipbuilding, wooden, including boat building.....	38	2,044	31	62	67	12	1,872	.....	1,705	1,763	.....	2	.....	3,079,942
16	New vessels.....	18	1,664	7	47	58	12	1,540	Ja ^a 2,314 Au 1,142	1,407	1,406	1	.....	2,284,171	
17	Repair work only.....	14	365	18	14	9	.....	324	Jy 358 Fe 281	344	343	1	.....	764,560	
18	Small boats.....	6	15	6	1	.....	8	Ja 14 Je ^a 3	14	14	.....	.....	31,211		
19	Shirts.....	47	2,791	52	93	85	75	2,486	De 3,357 Je 1,805	3,400	446	2,873	20	55	5,237,085
20	Signs and advertising novelties.....	9	101	9	4	10	6	72	De 88 Mh 64	90	78	8	1	3	140,982
21	Silk goods.....	6	869	2	21	.....	7	839	De 981 Fe 768	978	316	602	37	23	1,145,185
22	Silversmithing and silverware.....	4	93	2	6	.....	1	84	Jy 103 Ja 61	83	83	.....	.....	766,213	
23	Slaughtering and meat packing.....	47	2,000	48	86	246	57	1,503	De 1,735 Fe 1,402	1,740	1,528	204	8	.....	12,759,470
24	Stamped and enameled ware, not elsewhere specified.....	7	4,540	2	96	713	243	3,486	De 4,004 Ja 2,933	4,012	3,268	619	40	85	19,276,190
25	Stereotyping and electrotyping.....	4	54	.....	5	2	6	41	De 45 Oc .38	40	37	.....	3	.....	90,033
26	Stoves and hot-air furnaces.....	6	388	1	17	29	12	329	Oc ^a 344 Jy 281	343	343	.....	.....	1,325,008	
27	Structural ironwork, not made in steel works or rolling mills.....	12	820	7	40	108	42	623	No 668 My 586	673	668	1	4	.....	3,166,520
28	Tinware, not elsewhere specified.....	28	4,668	17	104	218	96	4,233	Au 5,355 Ja 3,546	3,830	2,596	1,110	98	26	21,855,529
29	Tobacco, cigars and cigarettes.....	146	2,874	169	71	57	20	2,548	Fe 2,855 Jy 2,002	2,003	741	2,251	1	.....	6,328,509
30	Tools, not elsewhere specified.....	3	29	5	.....	2	.....	22	Se 28 Oc 14	20	20	.....	.....	31,728	
31	Toys and games.....	10	449	4	25	14	11	395	No 480 Ja 278	435	160	211	43	21	580,000
32	Trunks and valises.....	7	44	9	.....	35	.....	Au ^a 42 Ja 13	42	24	18	.....	48,814		
33	Umbrellas and canes.....	8	477	9	20	48	23	377	De 408 Mh 367	426	114	283	10	10	1,147,228
34	Varnishes.....	3	12	5	2	.....	5	(4) 5	(4) 5	5	5	5	5	.....	44,966
35	Vinegar and cider.....	5	14	4	1	1	8	No 11 Ja ^a 7	13	11	2	.....	132,414		
36	Window and door screens.....	3	39	2	4	2	4	27	Ja ^a 42 Ja ^a 18	27	27	.....	88,080		
37	Window shades and fixtures.....	4	71	3	5	19	11	33	Oc 40 Ja 114	27	38	16	17	5	290,062
38	Wirework, not elsewhere specified.....	13	120	13	9	4	3	31	Ja 114 Oc 66	97	97	.....	.....	180,749	
39	Wooden goods, not elsewhere specified.....	4	62	8	1	.....	53	Ja 65 Je 31	63	47	16	.....	47,823		
40	Woolen goods.....	3	223	3	7	5	1	207	De 354 Je 25	354	268	86	.....	47,828	
41	All other industries*.....	175	14,591	121	588	807	323	12,747	.....	.....	.....	.....	.....	1,084,388	
														112,382,230	

* All other industries embrace—	Card cutting and designing.....	2	Cotton small wares.....	1	Glue, not elsewhere specified.....	1
Aeroplanes, seaplanes, and airships, and parts.....	Carpets, rug.....	1	Dairymen's, poultrymen's, and apiculturists' supplies.....	1	Gold and silver, leaf and foil.....	1
Agricultural implements.....	Carriage and wagon materials.....	1	Drug grinding.....	1	Hand stamps.....	3
Ammunition.....	Carriages and sleds, children's.....	3	Dyeing and finishing textiles, exclusive of that done in textile mills.....	3	Hat and cap materials.....	1
Asbestos products, not including steam packing.....	Cars, steam-railroad, not including operations of railroad companies.....	1	Hats, fur-felt.....	3	Hats, fur-felt.....	3
Automobiles.....	Cement.....	2	Dyestuffs and extracts—natural.....	1	House-furnishing goods, not elsewhere specified.....	3
Babbitt metal and solder.....	Cheese.....	2	Enameling.....	1	Ink, printing.....	1
Bags, paper, exclusive of those made in paper mills.....	Chewing gum.....	1	Engines, steam, gas, and water.....	3	Iron and steel, blast furnaces.....	2
Belting, leather.....	Clocks.....	1	Envelopes.....	1	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	1
Bolting, woven.....	Coffins, burial cases, and undertakers' goods.....	3	Ferroalloys.....	1	Iron and steel, cast-iron pipe.....	2
Bluing.....	Coke, not including gas-house coke.....	1	Foundry supplies.....	1	Iron and steel, forgings, not made in steel works or rolling mills.....	3
Boot and shoe cut stock.....	Cordials and flavoring syrups.....	6	Furs, dressed.....	2	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	1
Boot and shoe findings.....	Cork, cutting.....	1	Galvanizing.....	2	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	1
Butter, reworking.....	Corsets.....	2	Gloves and mittens, cloth, not including gloves made in textile mills.....	2	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	1

^a Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).^b Chiefly electric motors operated by rented (or purchased current); other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MARYLAND.

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.						
Salaries and wages.			Rent and taxes.			For materials.			Value of products.	Primary horsepower.				Electric horse-power generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²		
49,244	16,608	85,502	307	3,905	100,256	759,722	9,063	1,002,858	324,073	302	239	10	53	25	1
41,200	12,517	52,251	307	320	96,405	555,333	5,508	814,899	254,058	99	79	10	20	25	2
5,044	4,991	33,341	.....	3,655	3,851	204,380	3,555	277,959	70,015	203	160	10	33	3	3
35,869	5,692	102,782	.....	450	11,410	112,834	34,312	497,306	350,160	251	240	11	11	4	4
		58,097	.....	2,673	1,120	1,005,810	3,034	1,139,455	130,611	27	17	10	10	10	5

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
49,244	16,608	85,502	307	3,905	100,256	759,722	9,063	1,002,858	324,073	302	239	10	53	25	1	2
41,200	12,517	52,251	307	320	96,405	555,333	5,508	814,899	254,058	99	79	10	20	25	2	2
5,044	4,991	33,341	.....	3,655	3,851	204,380	3,555	277,959	70,015	203	160	10	33	3	3	3
35,869	5,692	102,782	.....	450	11,410	112,834	34,312	497,306	350,160	251	240	11	11	4	4	4
		58,097	.....	2,673	1,120	1,005,810	3,034	1,139,455	130,611	27	17	10	10	10	5	5
702,699	430,667	2,492,302	521,301	138,575	240,420	3,973,485	92,072	10,600,650	6,625,093	2,453	571	128	1,754	836	6	6
478,347	1,121,185	1,611,779	344,363	100,200	90,537	3,433,980	68,472	9,303,579	5,801,121	2,310	4	200	1,999	.....	7	7
232,215	743,084	1,141,317	2,800	67,921	59,641	2,005,068	38,913	6,753,234	3,809,248	1,728	200	10	1,518	.....	8	8
115,025	111,178	407,262	14,915	26,826	21,329	446,985	29,504	1,576,878	1,100,389	582	4	97	481	.....	9	9
130,207	266,023	3,200	326,648	5,513	9,567	81,983	50	1,033,467	951,484	13	.....	.....	13	.....	10	10
9,300	4,068	36,141	312	2,733	1,250	48,842	1,024	135,763	85,297	.....	.....	.....	11	.....	11	11
27,780	26,021	153,473	150	5,984	13,507	505,482	5,604	851,389	340,303	149	100	16	33	.....	12	12
4,160	38,113	105,937	.....	5,086	1,859	1,410,405	17,408	1,788,048	360,835	577	106	15	456	.....	13	13
1,226,052	1,258,719	26,141,571	.....	160	1,182,545	27,518,283	771,570	60,844,131	32,554,278	22,351	175	119	22,179	.....	14	14
217,553	85,715	2,745,529	.....	55,302	61,017	2,657,033	52,468	6,465,753	3,755,382	4,185	480	150	3,436	.....	15	15
190,004	70,808	2,293,814	.....	49,794	56,543	2,378,800	42,279	5,541,691	3,120,552	3,124	280	150	2,628	.....	16	16
27,314	14,817	443,428	.....	5,412	5,193	265,096	9,970	896,678	621,612	1,042	49	4	793	.....	17	17
240	8,287	96	176	13,977	219	27,414	13,218	19	.....	.....	4	15	.....	18	18	
316,267	222,065	1,662,570	414,310	77,775	123,904	8,152,906	46,166	12,174,682	3,975,611	898	80	140	678	2	19	19
25,817	12,559	71,225	1,007	5,815	5,673	115,630	2,306	287,595	109,759	61	45	.....	16	.....	20	20
72,702	5,655	450,115	5,544	455	24,316	605,294	42,507	1,634,218	826,417	1,505	535	20	75	970	21	21
44,700	780	102,372	4,068	5,850	2,191	214,216	4,411	420,502	201,845	126	31	5,216	1,496	1,159	22	22
378,103	456,332	1,972,514	2,376	21,339	287,579	33,171,745	348,488	41,439,418	7,919,215	5,076	3,140	450	.....	24	24	
286,613	950,889	3,341,409	300,000	7,813	388,571	6,465,037	255,726	13,075,233	6,354,470	7,137	1,061	260	5,216	20	24	
20,400	6,620	51,412	.....	3,131	1,529	57,436	3,860	172,398	111,102	98	14	84	.....	25	25	
57,394	40,724	419,255	6,305	7,360	26,441	526,805	21,487	1,251,000	702,908	482	255	227	.....	26	26	
134,350	193,051	801,034	.....	5,959	76,210	1,761,434	32,200	3,808,486	2,014,843	1,361	345	57	950	639	27	
423,726	387,200	3,002,561	40,000	85,507	353,256	18,630,952	162,993	25,453,533	6,653,588	3,506	640	63	2,803	267	28	
118,269	117,560	1,918,152	23	63,933	942,380	3,528,780	21,728	8,190,479	4,039,971	400	180	4	276	167	29	
1,002	22,756	410	184	17,983	1,536	59,620	40,140	10,922,939	501,472	209	22	1	30	1	30	
40,482	28,111	208,330	1,237	11,452	2,830	412,345	9,122	5,129,801	926,624	47	40	25	144	.....	31	
100,525	155,832	210,924	1,237	10,840	9,952	1,797,516	5,751	2,729,801	335	50	8	8	32	32		
2,100	150	7,850	1,237	1,500	18,578	1,038	89,395	30,095	50	51,220	.....	50	34	34		
10,882	6,751	33,035	1,000	991	31,535	1,133	5,311	54,527	32,038	335	308	17	10	35		
21,290	29,536	20,886	3,012	9,849	494,417	813	642,070	146,840	75,200	275	100	75	5	37		
17,017	8,406	71,363	0,030	5,114	880	165,780	4,065	290,193	120,348	259	40	.....	219	38		
1,280	24,203	580	145	30,236	2,900	76,881	37,755	1,541,205	656,856	1,260	105	51	60	40		
21,619	5,182	228,636	17,504	1,510	8,661	802,486	21,859	201,428,406	48,050,411	80,716	30,070	1,825	31,568	23,244	41	
2,749,449	2,456,082	15,344,691	138,446	161,530	7,589,374	140,384,127	8,984,958	1	.....	1	.....	1	1	17,653	41	

Japanning..... 2 Needles, pins, and hooks and eyes..... 1

Jewelry and instrument cases..... 1 Nets and seines..... 2 Refrigerators..... 2

Jute goods..... 1 Oakum..... 1 Roofing materials..... 3

Lead, bar, pipe, and sheet..... 1 Oleomargarine and other butter substitutes..... 2 Rubber tires, tubes, and rubber goods, not elsewhere specified..... 2

Liquors, distilled..... 1 Ordnance and accessories..... 1 Safes and vaults..... 1

Lubricating greases..... 1 Paper goods, not elsewhere specified..... 3 Saws..... 2

Machine tools..... 1 Pens, fountain and stylographic..... 1 Screws, machine..... 1

Mirrors, framed and unframed, not elsewhere specified..... 1 Petroleum, refining..... 4 Show cases..... 2

Mucilage, paste, and other adhesives, not elsewhere specified..... 1 Photographic apparatus..... 1 Smelting and refining, copper..... 1

Musical instruments and materials, not elsewhere specified..... 1 Plated ware..... 1 Soap..... 1

Musical instruments, organs..... 2 Plumbers' supplies, not elsewhere specified..... 1 Soda-water apparatus..... 1

Musical instruments, pianos..... 3 Printing and publishing, music..... 1 Springs, steel, automobile, not made in steel works or rolling mills..... 2

Musical instruments, piano and organ materials..... 2 Pumps, not including power pumps..... 1 Stationery goods, not elsewhere specified..... 1

Statuary and art goods..... 2 Steam fittings and steam and hot water heating apparatus..... 2 Stencils and brands..... 2

Stoves, gas and oil..... 2 Sulphuric, nitric, and mixed acids..... 1 Surgical appliances..... 2 Suspenders, garters, and elastic woven goods..... 2 Textile machinery and parts..... 1

Tobacco, smoking, and snuff..... 2 Wall plaster and composition flooring..... 1 Washing machines and clothes wringers..... 1 Wood, turned and carved..... 4

² Same number reported for one or more other months.⁴ Same number reported throughout the year.

MANUFACTURES—MARYLAND.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.			
		Total.	Proprietors and firm members	Salaries of officers, superintendents, and managers	Clerks, etc.		Wage earners.		Number, 15th day of—	16 and over.		Under 16.	
					Male.	Female.	Average number.	Maximum month.		Total.	Male.	Female.	Male.	Female.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

	1	BALTIMORE—All industries....	2,707	117,140	2,706	4,287	8,480	3,853	97,814	Ja	104,473	Ap	92,846	102,507	60,606	31,148	833	920	Dollars.
2	Artificial flowers.....	4	75	5	5	1	1	1	64	Mh	78	Ja	53	59	4	46	1	8	139,895
3	Artificial limbs.....	3	7	2	1	1	1	1	(*)	(*)	3	(*)	3	4	3	1	1	1	9,025
4	Artificial stone products.....	5	37	4	4	1	1	1	27	Se	55	Ja	11	32	32	.....	.....	.....	131,972
5	Automobile bodies and parts.....	25	233	24	18	27	7	207	Se	217	Ja	198	212	208	4	.....	.....	.....	589,174
6	Automobile repairing.....	111	1,150	111	84	92	49	814	De	907	Ja	725	909	908	.....	1	1	1	1,963,558
7	Awnings, tents, and sails.....	10	87	8	12	6	2	59	Je	73	Fe	47	61	46	15	15	15	15	276,237
8	Bags, other than paper, not including bags made in textile mills.....	12	225	8	13	14	7	183	Au	197	My	164	187	79	107	107	107	107	804,321
9	Baskets, and rafftan and willow ware.....	12	39	13	1	1	1	25	Au	27	Ja	23	25	25	.....	.....	.....	.....	31,157
10	Blacking, stains, and dressings.....	6	50	5	3	20	4	18	Ja	19	De	16	19	10	9	9	9	9	76,144
11	Boxes, paper and other, not elsewhere specified.....	20	2,066	12	77	86	38	1,853	Oo	2,415	Je	1,494	2,000	1,068	829	93	109	109	4,106,871
12	Boxes, wooden packing, except cigar boxes.....	22	1,365	12	60	13	5	1,275	Jy	1,438	Fe	1,187	1,324	1,181	134	9	9	9	2,371,648
13	Bread and other bakery products.....	335	2,902	345	70	375	94	2,018	No	2,147	Fe	1,907	2,103	1,545	550	6	2	2	6,654,759
14	Brick and tile, terra-cotta, and fire-clay products.....	7	498	1	29	19	6	443	Se	533	Ja	315	458	458	.....	.....	.....	4,478,217	
15	Brooms.....	16	267	14	10	12	5	226	No	4	239	Ja	213	235	156	58	15	6	418,230
16	Canning and preserving, fish.....	5	13	6	.....	.....	.....	7	(*)	7	(*)	7	7	5	2	2	2	2	21,075
17	Canning and preserving, fruits and vegetables.....	35	2,641	48	89	69	30	2,396	.....	.....	.....	.....	4,196	1,243	2,941	9	3	3	5,404,879
18	Canned vegetables.....	25	1,748	38	70	87	20	1,577	Se	3,540	Ja	618	8,500	1,044	2,444	9	3	3	3,467,168
19	Canned fruits.....	10	893	10	19	32	13	819	Au	1,553	Fe	261	696	199	497	1	1	1	1,997,711
20	Carriages and wagons, including repairs.....	23	128	20	2	3	.....	97	.....	.....	.....	97	97	.....	.....	.....	.....	102,110	
21	Carriages and wagons.....	6	80	5	.....	3	.....	72	My	75	De	70	72	72	.....	.....	.....	114,723	
22	Repair work only.....	17	48	21	2	.....	.....	25	Oo	4	27	Mh	21	25	25	.....	.....	47,387	
23	Cars and general shop construction and repairs by steam-railroad companies.....	8	5,329	.....	107	137	47	4,978	Fe	5,421	Je	4,800	4,928	4,832	96	.....	.....	6,292,655	
24	Cleansing and polishing preparations.....	7	27	6	4	7	2	8	Ja	4	10	De	6	11	8	3	3	3	72,383
25	Cloth, sponging and refinishing.....	4	53	5	3	2	1	42	De	44	Ja	40	44	44	.....	.....	.....	83,772	
26	Clothing, men's.....	270	11,589	377	410	1,027	650	9,066	.....	.....	.....	.....	10,604	5,624	4,835	28	117	117	33,830,230
27	Regular factories.....	139	9,966	223	410	1,026	649	7,652	De	9,073	Ap	7,002	9,073	4,580	4,341	26	117	117	33,003,446
28	Contract work.....	131	1,573	154	3	1	1	1,414	De	1,522	Ja	1,359	1,531	1,035	494	2	2	2	232,784
29	Clothing, men's, buttonholes.....	12	48	14	.....	.....	.....	34	Fe	37	Do	30	35	20	13	2	2	2	22,125
30	Clothing, woman's.....	119	3,248	162	116	276	92	2,002	Se	2,877	Ja	2,220	2,991	618	2,354	3	16	16	5,900,754
31	Coffee and spice, roasting and grinding.....	15	354	11	23	82	35	203	Au	217	Jo	189	211	128	78	1	4	3	3,303,077
32	Confectionery and ice cream.....	103	3,363	108	92	184	117	2,802	.....	.....	.....	.....	3,597	1,167	2,340	13	77	77	7,846,332
33	Confectionery.....	76	2,891	78	67	159	93	2,494	No	3,200	Jy	1,016	3,272	869	2,313	13	77	77	6,207,025
34	Ice cream.....	27	472	30	25	25	24	368	Jy	451	Ja	310	325	298	27	.....	.....	1,638,407	
35	Cooperage.....	21	191	25	8	3	4	151	No	184	Ap	130	180	179	1	1	1	1	707,244
36	Copper, tin, and sheet-iron work.....	59	513	65	33	19	10	386	No	423	Ja	344	418	415	2	1	1	1	1,003,787
37	Cotton goods.....	7	2,602	2	71	103	77	2,349	Fe	2,507	Je	2,217	2,321	1,147	1,151	19	4	4	12,001,901
38	Cutlery and edge tools.....	4	18	5	1	.....	.....	41	No	40	Ja	38	42	32	2	8	8	8	21,162
39	Dental goods.....	6	52	8	.....	3	.....	41	No	42	Ja	38	42	32	2	8	8	8	23,570
40	Dandruggists' preparations and perfumery and cosmetics.....	18	1,293	14	82	303	146	748	No	814	Au	689	760	199	552	8	6	6	4,617,548
41	Electrical machinery, apparatus, and supplies.....	13	177	8	16	8	8	137	De	4	143	Ja	134	144	120	15	15	15	238,019
42	Electroplating.....	6	56	8	2	.....	3	42	De	48	Ja	38	48	48	47	1	1	1	73,321
43	Engraving and diesinking.....	10	25	10	.....	1	.....	14	Au	4	18	To	11	16	14	1	1	1	21,810
44	Engraving, steel and copper plate, including plate printing.....	12	53	13	.....	1	2	37	My	42	Au	4	31	38	27	5	4	2	33,033
45	Fancy articles, not elsewhere specified.....	5	280	3	26	7	3	241	Au	288	Ja	144	240	71	152	12	5	5	481,953
46	Fertilizers.....	19	8,303	5	163	366	100	2,660	Ap	3,140	No	2,275	2,683	2,651	32	.....	.....	20,675,428	
47	Food preparations, not elsewhere specified.....	28	450	19	41	40	32	318	De	402	Se	249	399	307	89	.....	3	3	2,758,383
48	Foundry and machine-shop products.....	85	3,538	58	160	148	63	3,100	.....	.....	.....	.....	3,205	2,916	287	2	2	2	10,635,497
49	Boiler shop and foundries.....	12	654	5	32	25	5	587	De	647	Ja	549	654	646	8	.....	.....	1,031,334	
50	Machine shops.....	69	1,665	53	116	108	40	1,348	De	1,594	Fe	1,136	1,590	1,309	270	2	2	2	4,230,359
51	Machine shop and foundry combined.....	4	1,219	.....	21	15	18	1,165	Ja	2,261	Oc	893	961	961	.....	.....	.....	5,367,804	
52	Fur goods.....	21	123	21	5	5	11	81	De	112	Ap	57	111	47	64	1	1	1	318,717
53	Furnishing goods, men's.....	22	4,368	24	127	212	105	3,900	.....	.....	.....	.....	4,043	4,226	3,377	30	210	210	9,271,214
54	Neckwear.....	12	244	17	29	46	8	144	Oc	165	Fo	117	165	40	124	1	1	1	653,215
55	All other.....	10	4,124	7	98	166	97	3,756	Ja	3,925	Se	3,602	3,378	380	3,263	29	210	210	8,017,099
56	Furniture.....	37	1,379	50	56	129	39	1,105	Oc	1,223	Ja	937	1,188	1,115	42	31	31	4,313,401	
57	Gas and electric fixtures.....	4	45	2	6	2	.....	35	Ja	38	De	32	32	21	11	11	11	98,710	
58	Gas machines and gas and water meters.....	4	313	.....	14	26	18	255	No	281	Ja	217	278	247	30	1	1	1,055,759	
59	Glass.....	5	1,375	6	32	55	16	1,266	Fe	1,435	Au	673	1,330	1,143	170	13	4	1,743,043	
60	Hardware.....	6	97	6	9	5	.....	77	Jy	84	Au	72	84	83	1	1	1	245,959	
61	Hats and caps, other than felt, straw, and wool.....	24	150	35	.....	13	4	98	No	111	My	88	118	80	38	.....	.....	215,446	
62	Hats, straw.....	7	1,526	2	39	68	32	1,385	Mh	1,460	Jy	1,230	1,491	524	951	3	13	4,205,610	
63	Ice, manufactured.....	19	497	7	22	24	2	442	Au	594	De	313	540	540	.....	.....	3,710,454		
64	Instruments, professional and scientific.....	4	56	1	9														

MANUFACTURES—MARYLAND.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.								
Salaries and wages.			Rent and taxes.			For materials.			Value of products.	Value added by manufacture.	Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	Total.	Owned.	Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rented. ²			
7,656	2,471	36,175	904	3,561	1,344	59,892	1,035	159,453	97,928	6	-----	-----	-----	-----	6	2	
1,800	364	5,008	-----	699	4,004	379	17,656	13,273	7	-----	-----	-----	-----	7	3		
6,000	2,080	28,508	-----	1,810	733	54,392	1,030	101,061	45,039	84	-----	26	58	-----	4		
44,860	54,812	249,878	2,871	14,430	10,148	378,996	10,604	928,809	533,200	334	-----	8	326	-----	5		
186,170	106,748	983,161	34,646	88,545	31,704	1,482,703	33,173	3,351,452	1,835,576	757	-----	13	744	-----	6		
64,540	11,005	74,487	1,008	10,051	6,633	333,251	2,181	507,506	232,074	26	-----	26	-----	-----	7		
67,838	24,458	133,520	-----	8,416	58,231	2,721,757	4,132	3,132,886	406,997	177	-----	112	-----	-----	8		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 16,792,327	Dollars. 17,222,146	Dollars. 103,120,096	Dollars. 7,683,025	Dollars. 2,473,418	Dollars. 18,551,726	Dollars. 416,392,170	Dollars. 11,363,634	Dollars. 677,878,492	Dollars. 250,122,688	184,885	65,003	5,173	4,539	174	109,996	18,302	1
7,656	2,471	36,175	904	3,561	1,344	59,892	1,035	159,453	97,928	6	-----	-----	-----	-----	6	2	
1,800	364	5,008	-----	699	4,004	379	17,656	13,273	7	-----	-----	-----	-----	7	3		
6,000	2,080	28,508	-----	1,810	733	54,392	1,030	101,061	45,039	84	-----	26	58	-----	4		
44,860	54,812	249,878	2,871	14,430	10,148	378,996	10,604	928,809	533,200	334	-----	8	326	-----	5		
186,170	106,748	983,161	34,646	88,545	31,704	1,482,703	33,173	3,351,452	1,835,576	757	-----	13	744	-----	6		
64,540	11,005	74,487	1,008	10,051	6,633	333,251	2,181	507,506	232,074	26	-----	26	-----	-----	7		
67,838	24,458	133,520	-----	8,416	58,231	2,721,757	4,132	3,132,886	406,997	177	-----	112	-----	-----	8		
1,200	22,801	-----	-----	3,568	863	45,651	387	96,020	50,582	1	-----	-----	-----	1	9		
14,839	8,209	11,685	-----	3,259	1,098	65,643	880	149,969	83,466	9	-----	1,744	117	11	10		
274,903	148,160	1,412,705	6,810	33,440	112,130	3,293,286	72,390	6,156,873	2,780,197	1,931	605	92	-----	287	1,075	12	
213,101	24,011	887,601	1,044	37,108	45,358	2,397,016	9,066	3,850,830	1,444,748	4,405	3,808	250	-----	-----	-----	15	
225,398	704,187	2,044,226	6,471	60,253	416,410	10,599,314	233,471	17,590,524	6,760,739	1,890	549	287	26	1,577	399	13	
95,310	30,332	477,541	-----	180	30,257	531,771	216,730	1,874,067	1,125,566	1,201	160	-----	-----	10	14		
50,896	10,658	163,619	5,704	30	1,191	4,360	542,289	5,934	747,019	198,796	84	-----	-----	84	-----	16	
403,888	137,175	1,610,074	606	78,780	147,575	8,087,320	115,364	11,677,088	3,475,304	3,477	2,554	122	-----	801	20	17	
243,883	82,476	980,422	806	42,562	60,985	4,210,046	62,036	5,960,043	1,087,061	2,448	1,875	122	-----	451	17	18	
159,985	54,699	630,552	36,218	77,590	3,877,274	53,328	5,717,945	1,787,343	1,029	670	-----	-----	350	3	19		
8,120	2,810	111,328	50	2,670	5,795	94,393	4,068	284,360	185,299	133	-----	10	-----	123	20		
3,120	2,810	85,234	-----	144	5,059	71,306	3,384	202,056	127,276	90	-----	10	-----	90	21		
452,700	243,327	6,202,820	50	2,526	2,299,977	1,284	82,304	68,023	43	-----	10	-----	33	22	6,705	959	
0,725	10,251	0,110	9,163	1,844	1,148	30,326	360	65,727	35,041	19	-----	110	-----	19	24		
5,880	3,300	43,753	2,050	493	3,175	6,591	110,039	110,173	115	110	-----	-----	5	25			
1,443,823	2,875,907	10,580,515	5,355,794	401,643	431,862	30,521,010	155,980	59,838,256	29,161,200	2,365	1,265	36	-----	1,054	126		
1,433,703	2,874,017	8,926,692	5,332,293	373,605	420,524	30,504,664	128,627	57,530,009	29,002,718	2,101	1,265	36	-----	800	120		
10,120	1,950	1,753,823	23,501	28,038	2,338	10,346	27,359	2,302,247	2,258,542	254	-----	15	-----	254	28		
378,050	499,749	1,863,390	156,513	139,787	160,374	7,287,192	35,634	13,001,400	5,738,574	547	-----	547	-----	437	31		
142,400	227,720	160,393	19,084	46,210	4,683,038	28,605	5,884,333	1,192,600	575	138	-----	-----	4,718	1,722			
427,740	355,218	1,994,011	3,730	85,420	497,406	10,485,732	195,347	16,967,106	6,286,027	5,611	836	57	-----	3,245	32		
363,382	287,725	1,598,787	78,181	477,366	8,570,771	119,906	13,726,263	5,020,601	4,660	800	24	-----	1,473	33			
64,356	67,493	395,224	3,739	7,239	20,130	1,005,961	75,351	3,240,838	1,259,528	1,542	36	33	-----	1,473	34		
16,610	6,510	148,812	500	8,360	3,871	513,533	1,407	1,295,051	780,111	129	114	15	-----	495	35		
94,905	44,932	605,638	900	17,787	20,155	807,832	14,007	1,842,264	1,020,425	601	-----	106	-----	455	36		
243,660	198,251	2,098,026	3,934	23,720	311,385	7,731,910	240,813	12,849,731	4,871,008	10,818	3,036	50	7,732	37			
1,750	2,808	14,506	-----	740	508	4,588	1,299	36,228	30,411	30	8	12	-----	28	39		
202,287	672,871	486,741	108	24,274	302,182	3,557,970	22,837	6,810,067	3,238,851	1,080	625	-----	-----	455	40		
49,598	15,810	144,903	4,723	7,696	30,707	152,150	4,757	522,865	365,958	188	-----	188	-----	41	41		
5,980	2,383	50,205	-----	2,370	976	58,345	3,109	155,532	94,018	77	-----	18	-----	50	42		
780	10,120	-----	655	2,335	40	13,377	409	52,904	39,118	13	-----	13	-----	43	43		
2,468	34,567	35,828	37	3,442	36	36,890	815	110,069	72,058	13	-----	13	-----	44	44		
60,562	18,579	96,650	8,293	1,934	8,604	308,192	4,877	631,376	318,307	211	200	5	-----	6	45		
657,704	594,277	3,089,256	2,659	40,016	695,293	20,807,535	336,366	32,292,525	11,098,624	15,807	2,984	733	28	12,152	1,382		
217,973	87,680	313,195	10,575	19,122	70,685	6,601,658	90,477	8,845,736	1,247,651	1,570	154	-----	-----	1,070	260		
501,903	206,817	3,924,426	31,895	67,087	289,747	7,125,254	292,513	10,875,321	7,457,554	7,745	1,186	200	276	6,083	252		
137,861	42,393	821,354	8,034	76,194	508,734	72,374	1,428,991	2,031,342	1,390,234	1,164	55	42	234	1,067	49		
330,820	132,591	1,690,557	10,430	46,307	82,281	1,428,991	96,671	4,842,018	3,316,366	2,711	331	234	223	2,146	27		
123,276	121,830	1,406,515	-----	13,266	131,272	1,27,529	123,468	4,001,961	2,750,984	3,870	800	200	-----	2,870	225		
0,143	11,562	146,270	425	14,465	3,439	406,798	3,400	738,314	328,107	18	-----	-----	-----	18	52		
383,277	535,307	2,202,074	154,305	97,202	441,541	7,834,603	42,576	13,961,355	6,084,206	1,599	937	-----	-----	602	53		
50,703	80,752	104,347	1,981	11,194	6,750	849,433	2,302	1,368,981	517,216	26	-----	-----	-----	26	54		
326,514	457,555	2,097,727	152,384	86,008	434,752	8,085,170	40,274	12,592,434	5,666,990	1,573	937	-----	-----	636	55		
186,805	233,534	1,131,083	10,430	51,378	55,158	2,245,424	52,352	5,157,74									

MANUFACTURES—MARYLAND.

TABLE 32.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY AND CITY.	Number of establish- ments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.		
		Total.	Propri- tors and firm mem- bers.	Sale- ried offi- cers, super- in- ten- dents, and man- agers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.		
					Male.	Fe- male.	Ave- rage num- ber.	Number, 15th day of—		Male.		Male.	Fe- male.			
								Maximum	Minimum							

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

BALTIMORE—Continued.															Dollars.		
1 Lumber, planing-mill products, not including planing mills connected with sawmills.	31	952	24	53	81	22	772	No	842	Ja	699	850	788	52	10	3,098,134	
2 Marble and stone work.....	44	510	41	27	25	8	409	De	294	Ja	222	475	471	4	.....	1,118,333
3 Monuments and tombstones.....	26	343	36	17	20	7	263	De	181	Ja	89	294	290	4	.....	887,194
4 All other.....	8	167	5	10	5	1	146	De	190	Ja	126	181	181	1	2	231,139	
5 Millinery and lace goods, not elsewhere specified.	22	322	25	17	6	19	255	.....	.....	.....	279	83	102	2	2	507,004
6 Embroideries.....	7	151	3	11	3	7	161	De	170	Ja	153	170	62	107	1	434,535	
7 Trimmed hats and hat frames.....	9	107	14	3	2	11	76	Au	118	Je	58	83	16	64	1	110,518	
8 Dress and cloak trimmings.....	6	31	8	3	1	1	18	De	30	My	13	26	5	21	.....	46,551
9 Mineral and soda waters.....	26	226	24	21	20	9	152	De	190	Ja	126	158	148	8	2	558,757	
10 Models and patterns, not including paper patterns.	9	49	9	2	.....	.....	38	De	44	Jy	31	36	.....	.....	.....	101,284
11 Oil, not elsewhere specified.....	6	170	5	13	32	8	118	Do	141	Ja	77	141	138	3	.....	1,157,743
12 Patent medicines and compounds.....	49	1,031	35	71	145	95	685	Oc	722	Fe	650	713	307	369	14	5,112,988	
13 Paving materials.....	5	278	2	10	3	1	202	My	453	Fe	88	180	180	.....	.....	258,413
14 Photo-engraving.....	6	117	.....	13	13	5	86	De	111	Ja	46	111	104	1	0	234,226
15 Pickles, preserves, and sauces.....	22	128	21	6	9	3	87	Se	100	Ap	75	85	57	28	.....	573,975
16 Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	12	55	14	.....	.....	41	De	57	Fe	35	57	.....	.....	.....	120,354	
17 Printing and publishing, book and job.	180	2,810	152	177	203	101	2,114	De	2,263	My	2,060	2,219	1,774	410	32	3	6,546,817
18 Printing and publishing, newspapers and periodicals.	54	1,996	19	82	554	235	1,106	.....	.....	.....	1,223	1,029	73	19	2	3,780,553
19 Printing and publishing.....	3	1,589	5	46	406	152	920	De	939	Mh	902	939	893	29	17	3,029,276	
20 Printing, publishing, and job printing.	14	231	7	12	12	17	183	Jy	190	Ja	171	180	134	42	2	413,487	
21 Publishing without printing.....	37	176	7	24	76	66	3	Jy	6	Fe	2	4	2	2	.....	343,700
22 Regalia, and society badges and emblems.	5	67	4	4	2	5	52	Ap	61	Fe	45	54	33	17	1	85,129	
23 Saddlery and harness.....	12	103	12	5	30	.....	146	Ap	101	Ja	112	144	129	15	.....	686,784
24 Sausage, not made in slaughtering and meat-packing establishments.	21	155	25	2	20	17	92	No	116	My	84	110	93	17	.....	357,515
25 Shipbuilding, wooden.....	16	1,360	14	45	51	6	1,244	De	967	Fe	1,492	Jy	732	1,170	1	2,003,835	
26 New vessels.....	7	1,051	2	32	44	6	967	De	1,492	Jy	881	880	.....	1,487,349		
27 Repair work only.....	9	309	12	13	7	.....	277	De	302	Fe	240	299	209	.....	606,486	
28 Shirts.....	18	1,911	20	63	70	71	1,081	De	2,389	Ap	1,123	2,400	381	1,938	26	55	4,593,790
29 Silversmithing and silverware.....	4	93	2	6	1	1	84	Jy	103	Ju	61	83	83	.....	.....	768,213
30 Slaughtering and meat packing.....	42	1,932	42	79	235	55	1,517	De	1,685	Fe	1,412	1,690	1,483	203	4	12,405,099	
31 Stamped and enameled ware, not elsewhere specified.	7	4,510	2	98	713	243	3,436	Do	4,004	Ja	2,033	4,012	3,268	619	40	85	10,275,190
32 Stereotyping and electrotyping.....	4	54	.....	5	2	6	41	De	45	Oc	38	40	37	3	.....	90,033
33 Structural iron work, not made in steel works or rolling mills.	12	820	7	40	108	42	623	No	606	My	586	673	668	1	4	3,160,520	
34 Tinware, not elsewhere specified.....	25	4,501	11	101	217	96	4,166	Au	5,265	Ja	3,477	3,785	2,552	1,100	98	26	21,585,141
35 Tobacco, cigars and cigarettes.....	121	2,557	136	63	48	28	2,282	De	2,024	Jy	1,842	2,037	360	2,077	.....	5,980,270
36 Trunks and valises.....	7	44	9	.....	.....	.....	35	No	42	Jn	13	42	24	18	.....	48,814
37 Umbrellas and canes.....	8	477	9	20	48	23	377	De	408	Mh	307	426	114	283	10	1,147,228	
38 Varnishes.....	3	12	5	.....	2	5	5	(1)	5	(1)	5	5	5	5	.....	44,966
39 Window and door screens.....	3	39	2	4	2	4	27	Jy	42	Ja	16	27	27	27	.....	88,886
40 Window shades and fixtures.....	4	71	3	5	19	11	33	Oc	40	Mh	27	38	16	17	5	296,002	
41 All other industries*.....	345	30,403	262	994	1,739	754	26,054	.....	.....	.....	23,761	21,184	2,233	233	111	160,055,502

* All other industries embrace—	Carpets, rag.....	1	Dyeing and finishing textiles, exclusive of that done in textile mills.....	1	Grease and tallow, not including lubricating greases.....	3
Aeroplanes, seaplanes, and airships, and parts.....	1	Carriage and wagon materials.....	1	Hand stamps.....	3	
Ammunition.....	1	Carriages and sleds, children's.....	1	Hat and cap materials.....	1	
Babbitt metal and solder.....	2	Cars and general shop construction and repairs by electric-railroad companies.....	1	Engines, steam, gas, and water.....	2	
Bags, paper, exclusive of those made in paper mills.....	3	Cars, steam-railroad, not including operations of railroad companies.....	1	Hats, fur-felt.....	2	
Baking powders and yeast.....	5	Chemicals.....	1	House-furnishing goods, not elsewhere specified.....	3	
Belting, leather.....	2	Chewing gum.....	1	Ink, printing.....	1	
Belting, woven.....	2	Clocks.....	1	Iron and steel, steel works and rolling mills.....	1	
Bluing.....	1	Coffins, burial cases, and undertakers' goods.....	1	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	1	
Bookbinding and blank-book making.....	12	Cordage and twine.....	1	Iron and steel, cast-iron pipe.....	2	
Boot and shoe cut stock.....	1	Cordials and flavoring sirups.....	6	Iron and steel, forgings, not made in steel works or rolling mills.....	3	
Boot and shoe findings.....	2	Cork, cutting.....	1	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	1	
Boots and shoes.....	10	Corsets.....	2	Iron and steel, welding.....	11	
Boxes, cigar.....	4	Cotton small wares.....	1	Japaning.....	2	
Brass, bronze, and copper products.....	19	Dairymen's, poultrymen's, and apothecaries' supplies.....	1			
Brushes.....	7	Drug grinding.....	1			
Butter.....	1		1			
Canning and preserving, oysters.....	4		1			
Card cutting and designing.....	2		1			

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1 ANNAPOLIS.....	15	143	14	15	14	5	95	Ap	125	Ja	77	123	86	36	1	503,914
2 CUMBERLAND.....	82	4,128	70	155	101	49	3,753	Oc	4,111	Fe	3,321	4,046	3,417	552	53	10,281,092
3 FREDERICK.....	77	1,509	82	93	81	35	1,303	Se	1,761	My	1,172	1,027	1,219	406	2	4,497,766
4 HAGERSTOWN.....	122	4,598	107	206	160	96	4,029	No	4,301	Ap	3,765	4,303	3,338	899	37	13,908,019

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—MARYLAND.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.									POWER.					Electric horsepower generated in establishments reporting.
Salaries and wages.				Rent and taxes.		For materials.		Value of products.	Value added by manufacturer.	Primary horsepower.				Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Steam engines (not turbines).	Steam turbines	Internal-combustion engines.	Water power. ¹

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 192,669	Dollars. 127,080	Dollars. 770,831	Dollars. 18,461	Dollars. 31,110	Dollars. 107,865	Dollars. 566,576	Dollars. 32,210	Dollars. 4,516,442	Dollars. 1,917,656	3,674	2,010	.....	120	.....	1,514	15	1
79,625	41,026	515,095	664	18,717	10,629	588,820	24,416	1,531,809	918,573	1,010	595	.....	17	.....	407	750	2
57,094	32,260	333,843	664	17,763	9,335	457,337	16,137	1,133,093	659,610	605	400	.....	17	.....	188	700	2
21,631	8,760	181,252	654	1,294	131,483	8,279	398,710	253,954	414	195	.....	219	.....	50	4	219	50
61,983	10,148	169,691	24,036	9,967	27,771	399,890	5,271	932,644	527,383	62	.....	1	.....	61	.....	5	5
53,575	7,545	101,501	24,086	3,448	21,709	198,511	3,081	564,617	363,025	40	.....	40	.....	40	.....	6	6
5,630	8,354	55,805	3,694	5,518	170,179	1,213	304,633	133,241	9	.....	1	.....	8	.....	7	7	8
2,878	249	12,195	2,825	484	31,200	977	63,294	31,117	13	.....	13	.....	13	.....	8	8	8
37,893	28,775	155,957	1,407	12,620	67,889	630,078	9,852	1,233,185	593,555	287	80	.....	21	.....	188	9	9
3,515	61,903	1,663	401	18,935	2,304	116,290	95,051	64	.....	12	.....	52	.....	52	.....	10	10
30,550	54,821	142,909	1,680	8,704	2,323,201	19,213	3,123,209	780,705	753	620	.....	133	.....	133	.....	11	11
314,793	360,953	514,710	2,068	13,619	611,544	4,636,428	20,912	8,616,675	3,950,335	1,189	105	9	1,075	1,075	12
29,475	309,239	6,380	4,051	157,731	20,872	717,296	538,693	1,137	637	28	.....	472	.....	30	.....	13	13
47,192	13,037	133,163	6,069	5,524	1,744	74,670	4,057	380,972	302,245	70	.....	70	.....	70	.....	14	14
42,760	14,292	71,185	307	3,905	98,085	511,649	6,741	796,201	277,811	67	4	10	.....	53	.....	15	15
53,097	53,097	2,073	1,120	1,005,810	3,034	1,139,455	130,611	27	17	.....	10	.....	10	.....	16	16	16
681,461	427,927	2,404,450	517,154	135,825	237,075	3,824,888	86,685	10,333,510	6,421,037	2,316	571	.....	115	.....	1,600	836	17
397,281	1,039,537	1,342,121	331,713	82,834	72,689	3,127,423	46,345	8,282,313	5,108,545	1,853	200	4	1,649	1,649	18
231,295	743,984	1,133,012	67,846	50,165	2,901,675	38,237	6,725,732	3,785,820	1,712	200	4	1,512	1,512	19
35,829	30,570	207,259	10,338	10,365	3,067	144,210	8,058	537,454	335,186	141	.....	137	.....	137	.....	20	20
130,157	264,983	1,850	321,375	4,623	9,567	81,538	50	1,010,127	937,539	.....	13	.....	13	.....	21	21	21
9,300	4,063	36,141	312	2,733	1,295	48,842	1,624	135,763	85,207	.....	13	.....	13	.....	22	22	22
27,760	26,021	146,783	93,092	4,617	11,959	476,682	5,223	797,806	315,961	135	100	10	.....	25	.....	23	23
4,160	38,113	93,092	5,986	1,770	1,362,700	16,843	1,724,833	345,200	559	106	12	441	441	441	24	24	24	
152,798	50,106	1,800,426	46,601	47,723	1,422,957	30,681	4,011,806	2,552,228	3,247	235	150	86	.....	2,776	.....	2,776	.....
128,344	43,883	1,420,421	41,375	43,850	1,205,840	28,222	3,214,376	2,010,314	2,399	35	150	58	.....	2,155	.....	2,155	.....
24,454	12,223	380,005	5,316	4,373	217,117	8,459	767,490	541,014	848	200	.....	28	.....	620	.....	27	27
278,981	183,673	1,207,547	412,370	62,680	114,233	7,199,904	33,268	10,500,810	3,333,647	559	.....	28	.....	561	.....	28	28
44,760	730	102,372	4,068	5,850	2,194	214,216	4,441	420,502	201,845	126	20	75	.....	31	.....	95	95
366,843	447,877	1,924,413	2,376	21,099	284,028	32,334,824	341,318	40,476,781	7,803,839	5,000	3,074	450	.....	1,476	1,159	303	303
286,513	950,889	3,341,409	300,000	7,813	388,571	6,463,037	255,720	13,075,283	6,354,470	7,137	1,661	260	.....	5,216	.....	20	31
20,400	6,520	51,412	3,131	1,529	57,436	3,860	172,398	111,102	98	14	.....	84	.....	84	.....	32	32
134,350	195,051	801,934	6,305	5,050	76,210	1,761,434	32,209	3,808,486	2,014,843	1,361	345	57	.....	959	.....	639	33
415,726	385,200	8,554,598	40,000	84,677	353,030	18,246,294	159,567	24,950,596	6,553,735	3,441	640	63	.....	2,738	267	34	
110,268	100,036	1,732,827	23	60,097	813,209	3,201,313	19,382	7,458,851	4,238,156	441	180	.....	261	167	261	167	36
100,525	155,882	219,924	4,027	93	60,424	60,603	112,316	51,229	8	.....	8	.....	27	.....	27	.....	36
10,882	2,810	5,304	1,237	1,168	55,212	1,058	89,395	30,095	50	.....	50	.....	38	.....	38	.....	39
21,290	6,751	33,935	1,600	991	31,535	1,133	107,958	75,290	275	100	.....	100	75	75	.....	39	
4,901,440	3,046,493	33,530,039	165,627	320,202	10,324,165	171,166,538	6,703,003	250,743,353	72,813,817	62,203	21,539	2,765	24	35,826	6,261	41		

Jewelry and instrument cases.....	1	Musical instruments and materials, not elsewhere specified.....	1	Pottery, china.....	1	Steam fittings and steam and hot-water heating apparatus.....	1
Jute goods.....	1	Musical instruments, organs.....	1	Printing and publishing, music.....	1	Stencils and brands.....	2
Lead, bar, pipe, and sheet.....	1	Musical instruments, pianos.....	3	Printing materials.....	3	Stoves and hot-air furnaces.....	4
Leather goods, not elsewhere specified.....	1	Musical instruments, piano and organ materials.....	1	Pumps, steam and other power.....	1	Stoves, gas and oil.....	2
Leather, tanned, curried, and finished.....	1	Needles, pins, and hooks and eyes.....	1	Refrigerators.....	3	Sulphuric, nitrile, and mixed acids.....	1
Lime.....	2	Nets and seines.....	2	Roofing materials.....	1	Surgical appliances.....	2
Liquors, distilled.....	1	Oakum.....	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.....	2	Suspenders, garters, and elastic woven goods.....	2
Liquors, malt.....	1	Oleomargarine and other butter substitutes.....	1	Safes and vaults.....	1	Textile machinery and parts.....	1
Lubricating greases.....	1	Optical goods.....	1	Saws.....	2	Tobacco, smoking.....	1
Lumber and timber products.....	1	Paints.....	13	Shipbuilding, steel.....	2	Tools, not elsewhere specified.....	2
Machiné tools.....	1	Paper and wood pulp.....	1	Show cases.....	2	Toys and games.....	9
Mattresses and spring beds, not elsewhere specified.....	18	Paper goods, not elsewhere specified.....	1	Signs and advertising novelties.....	1	Vinegar.....	1
Minerals and earths, ground or otherwise treated.....	1	Pens, fountain and stylographic.....	1	Smelting and refining, copper.....	1	Washing machines and clothes wringers.....	1
Mirrors, framed and unframed, not elsewhere specified.....	1	Petroleum, refining.....	4	Soap.....	1	Wirework, not elsewhere specified.....	11
Mucilage, paste, and other adhesives, not elsewhere specified.....	1	Photographic apparatus.....	1	Soda-water apparatus.....	1	Wood, turned and carved.....	2
		Plated ware.....	1	Springs, steel, automobile, not made in steel works or rolling mills.....	2	Wooden goods, not elsewhere specified.....	1
		Plumbers' supplies, not elsewhere specified.....	1	Stationery goods, not elsewhere specified.....	1		1
				Statuary and art goods.....	2		

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

15,070	6,844	90,073	1,625	4,656	4,012	144,541	38,846	369,114	185,727	151	70	-----	-----	81	9	1	
522,533	100,021	4,723,065	708	35,318	380,270	7,813,943	478,385	15,842,210	7,540,881	10,317	7,216	-----	65	3,036	1,077	2	
186,242	130,149	950,507	20,203	14,167	103,278	4,739,507	143,130	7,141,204	2,258,567	3,204	1,589	-----	20	40	1,555	1	
530,584	280,035	4,109,042	48,130	33,412	222,629	10,094,055	307,367	17,662,575	7,261,153	9,532	4,129	110	2	65	5,226	4,368	4

^a Same number reported for one or more other months.

* Same number reported for one or more other
† Same number reported throughout the year.